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1988 ATLANTIC SALMON SPORT CATCH STATISTICS - MARITIME PROVINCES

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Canadian Data Report of Fisheries and Aquatic Sciences

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ABSTRACT

O'Neil, S.F., D.A. Stewart, K. Newbould and R. Pickard. 1991. 1988 Atlantic salmon sport catch statistics, Maritime Provinces. Can. Data Rep. Fish. Aquat. Sci. No. 852. v + 79 p.

The Maritime Provinces Atlantic salmon sport catch in 1988 was 54,277 fish - 39,458 grilse retained, 1,146 grilse released, and 13,673 large salmon (≥ 63 cm fork length) released. Field staff estimated that 36 New Brunswick rivers produced 33,223 bright fish (26,345 grilse retained) and 4,434 kelts. Nova Scotia anglers reported fishing on 92 rivers and retained or released a total of 15,977 large salmon and grilse. A total of 643 grilse were angled on Prince Edward Island. Anglers spent 91,300 rod-days on New Brunswick rivers and 78,500 rod-days on Nova Scotia rivers during the 1988 season. Catch per unit effort (fish per rod-day) for the Maritimes was 0.310.

Keywords: Atlantic salmon, sport catch, rod-days, kelts, grilse, large salmon, New Brunswick, Nova Scotia, Maritimes.

RÉSUMÉ

O'Neil, S.F., D.A. Stewart, K. Newbould and R. Pickard. 1991. 1988 Atlantic salmon sport catch statistics, Maritime Provinces. Can. Data Rep. Fish. Aquat. Sci. No. 852. v + 79 p.

Les prises sportives de saumon de l'Atlantique effectuées dans les provinces Maritimes en 1988 s'établissent à 54 277 saumons, soit 39 458 madeleineaux capturés et gardés, 1 146 madeleineaux remis à l'eau et 13 673 gros saumons (plus de 63 cm de longueur à la fourche) remis à l'eau. Les employés des régions concernées ont estimé à 33 223 saumons de montée (26 345 madeleineaux gardés) et 4 434 charognards les prises obtenues dans 36 rivières du Nouveau-Brunswick. En Nouvelle-Écosse, les prises sportives de saumon, soit gardées soit remises à l'eau, obtenues dans 92 rivières s'élèvent à 15 977 gros saumons et madeleineaux. A Ile-du-Prince-Édward, les prises se sont limitées à 643 madeleineaux. En 1988, les pêcheurs ont consacré à la pêche 91 300 journées au Nouveau-Brunswick et 78 500 en Nouvelle-Écosse. La prise par effort unitaire (poissons par journée de pêche) pour les Maritimes a été de 0,310.

INTRODUCTION

Atlantic salmon sport catch and effort data for 1988 has been summarized in this report for the Maritime Provinces.

The data on specific rivers and geographic groupings are presented in two sections, (1) New Brunswick and Prince Edward Island, and (2) Nova Scotia, based on the source of the data. The first section includes catch and effort data on rivers in New Brunswick and Prince Edward Island. The numbers were provided by Fisheries and Oceans officers and New Brunswick Department of Natural Resources and Energy biologists and wardens. Generally, the data is collected through observation and word-of-mouth. The second section includes recreational catch and effort statistics for Nova Scotia rivers. The figures are based on information provided on license stubs by almost 5,900 anglers.

The different sources for the catch and effort data resulted in the separation of the report into two sections in order to emphasize the relative integrity of the information. The New Brunswick catch and effort figures should be considered representative of actual figures but with little scientific validity for the method of collection. The Nova Scotia data, on the other hand, is summarized according to standard sampling theory and practise. As a result, the information is felt to be a good reflection of the actual harvest and release of fish and angler effort on the numerous Nova Scotia rivers.

COMMENT ON THE FISHERY

MARITIME PROVINCES

The 1988 Canadian Atlantic salmon sport catch of approximately 106,600 large salmon and grilse was well above the 1987 catch of 79,500 fish and similar to the 1986 report of 107,600 large salmon and grilse (Table 1). In 1984, a change in the Atlantic salmon management plan directed that salmon anglers in the Maritime Provinces release large salmon (salmon $\geq$ 63 cm.). Recent (i.e., since 1983) catch figures do not include estimates of the numbers of fish released. In spite of the change in reporting methods, the 1988 catch compares favorably with the pre-1984 long-term (1965-83) mean catch of 98,100 fish.

The Maritime Provinces sport catch exhibits the same trend as found in all of Canada with respect to Atlantic salmon angling. The total 1988 catch of 39,400 grilse is a considerable improvement (23%) over the 1983-87 mean catch of 32,100 fish (Table 2), and 7% higher than the long term (1970-87) average catch of 37,100 fish. The catch in each of the three Maritime Provinces in 1988 was greater than both the short and long-term means and in two provinces, New Brunswick and Prince Edward Island, considerably higher than in 1987.

The kelt or black salmon fishery in New Brunswick took 4,400 fish, roughly 14% of the provincial catch in 1988 (Table 2). Although the kelt fishery is relatively insignificant overall, it has shown recent improvement. Catches of kelts have risen steadily since 1986. Comparison of black salmon harvests during the past few years with the long-standing (1970-87) mean indicates that the historical fishery generally yielded far more kelts (Table 2).

The Maritime Provinces catch by "year of run" for 1988 (bright catch in 1987 is added to the kelt catch in 1988) of 33,500 fish was down considerably from the 1986 "year of run" catch of 50,100 fish (Table 3). The drop is more a reflection of the poor bright fish catch in 1987, which was caused in part by low water and high summer temperatures (O'Neil et.al. 1989).

Anglers fished the waters of the various Atlantic salmon rivers in record numbers in Nova Scotia and Prince Edward Island in 1988 (Table 4). Total effort in rod-days for the Maritime Provinces exceeded both long and short-term means. The estimate of 175,000 rod-days is the third highest since 1970 (Table 4). Mean monthly discharge for the summer months from a select group of Maritime rivers was much greater in 1988 than in 1987 (Fig. 1). The extreme low flows in 1987 which influenced the catchability of fish did not negatively affect catch rates in the same manner in 1988 (O'Neil et al. 1989).

Rivers which flow into the Gulf of St. Lawrence from the three Maritime Provinces collectively yielded 28,900 grilse in 1988 to the recreational salmon fishery (Table 5). This figure represents 71% of the overall catch in the three provinces, and is the second highest Gulf Region catch since 1977. Scotia-Fundy Region rivers provided 10,600 grilse to anglers, a number slightly higher than the 1970-87 average catch of 9,800 fish.

As mentioned above, the 1988 figures do not include released large salmon whereas the 1970-83 figures do. Interpreting the data strictly on the basis of annual totals may be misleading because of the change in reporting schemes. In addition, the closure of the commercial fishery in the Maritime Provinces after the 1984 season had an impact on the yield to the recreational fishery. Both factors should be considered when comparing the performance of one year against another.

NEW BRUNSWICK AND PRINCE EDWARD ISLAND

Recent Atlantic salmon catches in New Brunswick have fluctuated from a low of 16,260 large salmon and grilse in 1983 to a high of 40,300 grilse in 1986 (Table 2). The 1988 catch of 30,780 grilse is down considerably from the 1986 high but is in keeping with the long term (1970-87) mean of 30,340 large salmon and grilse. The 1988 catch represents a 31% improvement over the 1987 grilse harvest of 23,500 fish. The three principal drainages in the province, the Restigouche, Miramichi, and Saint John rivers, accounted for 84% of the New Brunswick bright grilse catch. Complete estimates of the number of large salmon released were not available.

New Brunswick large salmon sport catch estimates were difficult to obtain because large salmon were released. Nevertheless, fish counting facility data can be used to indicate trends in grilse and large salmon run size. Large salmon returns to the Saint John fish counting facility at Mactaquac were down for the fourth consecutive year (Tables

6 & 7). The reduction in numbers could not be explained as increased commercial exploitation in distant fisheries or an increase in the proportion of fish which had matured the previous year as grilse (Marshall 1989). The return of 292 multi-sea-year salmon to the St. Croix counting facility in 1988 was up considerably from the 1987 count of 177 fish and similar to returns in 1985 and 1986. Grilse counts at the same locations show somewhat different trends. At Mactaquac, returns of grilse have improved annually since 1986, but at St. Croix the return of 102 grilse in 1988 was down from the 195 counted in 1987 (Table 6).

Anglers collectively fared much better on New Brunswick salmon streams in 1988 than they have in any year since 1977. On average, anglers took slightly less than two rod-days to catch a fish in 1988 as compared with nearly three rod-days in 1987 (Table 4). The improved success rate may have had a positive impact on license sales, but did not alter angler effort appreciably relative to the previous few years. Sportfishers expended 91,300 rod-days in 1988, which was almost equivalent to the 1983-87 mean effort estimate of 89,300 rod-days (Table 4).

The relative contribution of large salmon and grilse to a spawning stock is based upon the number of fish from each age group, the proportion which are female and fecundity (number of eggs per unit body weight). Grilse are predominately male in most Maritime Province salmon stocks. A female grilse, ranging in weight from 1.4-2.5 kg may contribute 2,400-4,400 eggs. Large salmon from most Maritime Provinces, on the other hand, are predominately female. Since large or multi-sea-winter salmon spend two or more winters at sea before reproducing, they tend to be larger than grilse by a factor of two or more. Consequently, a single female multi-sea-winter salmon may contribute twice as many eggs (or more) than a grilse. Atlantic salmon management principles have concentrated on protecting the large fish in recent years; hence the mandatory release of large salmon by anglers and the restrictions in the commercial salmon fishery.

In spite of the change in the regulations respecting the recreational salmon fishery, sport fishers are pursuing the Atlantic salmon in steadily increasing numbers (Table 8). Nearly 22,000 anglers purchased licenses in New Brunswick in 1988 as compared with only 16,119 in 1984, the year that the mandatory release of large salmon became a law.

Prince Edward Island attracted more salmon sport fishermen in 1988 than in any year previously. The 719 licensed anglers (Table 8) spent 5,200 rod-days (Table 4) on the provinces two principal salmon rivers and collectively harvested over 640 grilse (Table 2). The striking aspect to this banner year in Prince Edward Island is the magnitude of the increase. The grilse harvest was up 35%, angler effort, 119% and license sales 56%.

NOVA SCOTIA

Approximately 8,000 grilse were harvested in Nova Scotia in 1988, a number which exceeds both the long (1970-87) and short-term (1983-87) mean catch by 21% and 3% respectively (Table 2). It should be noted, however, that catch data prior to 1983 was supplied by fishery officers, and since that time has been based on information supplied by anglers via license stubs. Comparison of the data collected by the two methods may not provide a true reflection of the change in catch, as the license stub data estimates the catch to be greater by up to 1.5 times that estimated by fishery officers.

Nova Scotia fishers released 1,150 grilse and 6,800 large salmon in 1988, in addition to the 8,000 grilse harvested (Table 19). The collective catch of nearly 16,000 fish is similar to the total catch of 15,850 angled in 1987 (O'Neil et al. 1989).

Salmon returns to salmon monitoring facilities at Morgan Falls on the LaHave River, the falls on the Liscomb River and at Tusket River falls do not represent a consistent trend (Table 6). Large salmon counts have declined steadily on the LaHave and Liscomb over the past three years but have fluctuated on the Tusket River. Grilse counts have increased steadily over at least the past few years on the LaHave, but declined sharply in 1988, relative to the previous two years on the Liscomb River. Attempts to use the counting facilities as indicators of river returns in similar physiographic areas have not been particularly successful. The reason, at least in part, is due to the fact that the counting facilities are located on enhanced rivers which have both a hatchery and wild component. Performance of those two components is known to differ and thus have an impact, whether positive or negative, on overall stock performance.

Angling effort in Nova Scotia has generally followed the catch. Anglers tend to respond quickly to improved catch and similarly, put their fly rods away when few fish are available. The 1988 fishing year was no exception. Sportfishers in Nova Scotia reported spending 78,500 rod-days on the rivers and streams in the province in 1988, up from the 69,300 rod-days reported in 1987 (Table 4). The effort estimate for 1988 exceeds any previous estimate since 1956 when effort was reported to be 97,700 rod-days (Smith 1981). Angling success in Nova Scotia, as measured by catch per rod-day (CPUE), was 0.203 in 1988, which means that anglers took almost five rod-days to catch a fish (Table 4). A rod-day is defined as any portion of a day spent fishing on a particular river by an angler. The success rate for 1988 is well above the long-term (1970-87) mean CPUE of 0.163 and slightly better than the short-term mean CPUE of 0.198. Nevertheless, sportfishers generally had poorer luck in 1988 than in the previous three years (Table 4).

Although angler success was not particularly high relative to recent years, Atlantic salmon license sales increased again in 1988 to 8,027, for the fourth consecutive year (Table 8). Non-residents fished for Atlantic salmon in unprecedented numbers in 1988. Almost 1,300 non-residents visited Nova Scotia to pursue salmon, roughly 16% of licensed salmon anglers. Previous highs occurred in 1984, 1985 and 1987, when 13% of licensed salmon anglers were from out of province. A substantial portion of non-residents fishing salmon in Nova Scotia visit the Margaree River (65%). Of particular interest is the lack of diversity in rivers fished by non-residents. Resident anglers collectively fished on 91 rivers throughout the province. Non-residents visited only 51 rivers and 85% of non-resident effort occurred on only six rivers, the Margaree, Medway, Middle Victoria Co., Stewiacke, LaHave

and Saint Mary's.

Angling statistics for Nova Scotia rivers are based on the 6,101 license stubs received from the 8,027 anglers licensed to fish for Atlantic salmon. Sportfishers who failed to return their license stub were mailed a reminder letter. The 1988 overall response rate of 76% is consistent with rates observed annually since 1983 after a single reminder letter.

The detailed data are summarized on several tables in the Nova Scotia portion of this report, either by individual river (Tables 19, 23 and 27), by Fisheries and Oceans statistical district (Tables 20 and 24), by county (Tables 21 and 25) or by salmon fishing area (Tables 22 and 26). Tables 19 through 22 provide catch information separated into retained and released components. Tables 23 through 26 summarize total catch (retained plus released), effort, and catch per unit effort. Table 27 is a monthly breakdown of retained catch by river.

The Cheticamp River is managed under the National Parks Act and Regulations, which do not require that anglers hold a provincial fishing license. Catch and effort data are recorded by Cape Breton Highlands National Park wardens and have been provided by them for this report (Table 28).

ACKNOWLEDGEMENTS

The Nova Scotia salmon angling license stub program is managed jointly by the Department of Fisheries and Oceans and the Nova Scotia Department of Lands and Forests. In particular, the contribution of the licensing unit at Lands and Forests has been invaluable in the efficient running of this system.

Appreciation is also expressed to the many anglers who completed and returned their license stubs.

The provision of data on many of the New Brunswick rivers by the New Brunswick Department of Natural Resources and Energy wardens and biologists is greatly appreciated. Fisheries and Oceans field officers in some locations have contributed catch and effort statistics which we gratefully acknowledge. The Nepisiguit River data was made available through the generous efforts of B. Baker of the Nepisiguit River Association.

R. Dunfield reviewed the manuscript.

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TABLE 1. Atlantic salmon angling catches (retained fish), Canada, 1965-88.

Year angled	Numbers of large salmon and grilse					
	New Brunswick	Nova Scotia	Prince Edward Island	Quebec	Newfoundland and Labrador	Total
1965	66,962	2,655	12	12,019	34,947	116,595
1966	85,935	3,596	10	12,873	34,626	137,040
1967	75,002	5,245	27	13,424	27,876	121,574
1968	27,373	3,069	10	8,603	35,744	74,799
1969	43,009	3,174	12	14,132	40,545	100,872
1970	34,969	4,948	13	14,846	37,167	91,943
1971	19,348	3,910	0	8,801	32,711	64,770
1972	32,119	4,152	7	14,131	29,175	79,584
1973	30,537	5,144	2	15,189	45,936	96,808
1974	42,237	8,519	2	17,455	31,002	99,215
1975	27,593	3,560	0	15,507	38,930	85,590
1976	43,169	7,309	7	15,348	42,070	107,903
1977	57,936	7,027	0	20,028	42,987	127,978
1978	24,741	4,067	6	18,473	33,640	80,806
1979	26,210	7,143	3	11,308	36,457	81,121
1980	32,698	8,356	6	24,244	42,640	107,944
1981	28,499	10,232	112	22,637	54,680	116,160
1982	25,116	6,572	83	18,473	47,806	98,050
1983	16,263	7,975	11	12,079	38,602	74,930
1984	16,747	6,083	7	11,897	43,287	78,021
1985	24,042	8,527	47	13,767	40,042	86,425
1986	40,308	7,998	236	17,695	41,427[1]	107,664
1987	23,520	8,330	476	16,697	30,479	79,502
1988	30,779	8,036	643	21,087	46,074	106,619

1 Claytor and Mullins 1988; O'Connell, Dempson, Ash and Cochrane 1988.

TABLE 2. Atlantic salmon angled and retained by year angled, Maritime Provinces, 1970-88.

Year angled	Numbers of grilse					
	New Brunswick			Nova Scotia	Prince Edward Island	Total
	Kelt	Bright	Total			
1970	7,081	27,888	34,969	4,948	13	39,930
1971	5,406	13,942	19,348	3,910		23,258
1972	2,563	29,556	32,119	4,152	7	36,278
1973	7,944	22,593	30,537	5,144	2	35,683
1974	8,655	33,582	42,237	8,519	2	50,758
1975	6,455	21,138	27,593	3,560		31,153
1976	9,386	33,783	43,169	7,309	7	50,485
1977	22,832	35,104	57,936	7,027		64,963
1978	8,307	16,434	24,741	4,067	6	28,814
1979	8,935	17,275	26,210	7,143	3	33,356
1980	6,326	26,372	32,698	8,356	6	41,060
1981	9,753	18,746	28,499	10,232	112	38,843
1982	2,152	22,964	25,116	6,572	83	31,771
1983	4,533	11,730	16,263	7,975	11	24,249
1984	1,709	15,038	16,747	6,083	7	22,837
1985	3,810	20,232	24,042	8,527	47	32,616
1986	1,690	38,618	40,308	7,998	236	48,542
1987	3,259	20,261	23,520	8,330	476	32,326
1988	4,434	26,345	30,779	8,036	643	39,458
Mean						
1970-87	6,712	23,625	30,336	6,658	57	37,051
1983-87	3,000	21,176	24,176	7,783	115	32,114

TABLE 3. Atlantic salmon angled and retained by year of run[1], Maritime Provinces, 1970-87.

Year of run	Numbers of grilse					
	New Brunswick			Nova Scotia	Prince Edward Island	Total
	Kelt	Bright	Total			
1970	5,406	27,888	33,294	4,948	13	38,255
1971	2,563	13,942	16,505	3,910		20,415
1972	7,944	29,556	37,500	4,152	7	41,659
1973	8,655	22,593	31,248	5,144	2	36,394
1974	6,455	33,582	40,037	8,519	2	48,558
1975	9,386	21,138	30,524	3,560		34,084
1976	22,832	33,783	56,615	7,309	7	63,931
1977	8,307	35,104	43,411	7,027		50,438
1978	8,935	16,434	25,369	4,067	6	29,442
1979	6,326	17,275	26,601	7,143	3	30,747
1980	9,753	26,372	36,125	8,356	6	44,487
1981	2,152	18,746	20,898	10,232	112	31,242
1982	4,533	22,964	27,497	6,572	83	34,152
1983	1,709	11,730	13,439	7,975	11	21,425
1984	3,810	15,038	18,848	6,083	7	24,938
1985	1,690	20,232	21,922	8,527	47	30,496
1986	3,259	38,618	41,877	7,998	236	50,111
1987	4,434	20,261	24,695	8,330	476	33,501

1. The kelt salmon catch in any one year is added to the bright salmon catch of the previous year in order to give the total angling catch from a specific annual run.

TABLE 4. Angling effort (rod-days) and catch per unit effort (CPUE) for the Maritime Provinces, by year of catch, 1970-88.

Year	Maritimes		Nova Scotia		New Brunswick		Prince Edward Island	
	Rod days	CPUE	Rod days	CPUE	Rod days	CPUE	Rod days	CUPE
1970	93,373	0.428	30,386	0.163	62,783	0.557	204	0.064
1971	76,106	0.306	26,104	0.150	49,919	0.388	38	0
1972	92,401	0.393	26,951	0.154	65,312	0.492	138	0.051
1973	106,758	0.334	32,221	0.160	74,369	0.411	168	0.119
1974	139,336	0.364	46,825	0.182	92,433	0.457	78	0.026
1975	86,907	0.358	19,880	0.179	67,027	0.412	0	0
1976	131,954	0.383	39,901	0.183	91,789	0.470	264	0.027
1977	159,481	0.407	43,463	0.162	115,307	0.500	111	0
1978	107,989	0.267	33,629	0.121	74,225	0.333	135	0.044
1979	132,639	0.251	57,520	0.124	75,059	0.349	60	0.050
1980	158,016	0.260	69,067	0.121	88,818	0.368	131	0.046
1981	161,272	0.241	70,410	0.145	89,948	0.317	914	0.123
1982	182,921	0.174	72,472	0.091	108,314	0.232	2,135	0.039
1983	160,808	0.151	74,601	0.107	85,743	0.190	464	0.024
1984	134,764	0.210	59,833	0.142	74,248	0.226	683	0.010
1985	160,382	0.305	64,947	0.251	94,402	0.255	1,033	0.045
1986	190,994	0.254	77,204	0.259	111,004	0.363	2,786	0.085
1987	152,978	0.297	69,310	0.230	81,303	0.357	2,365	0.208
1988	175,029	0.310	78,544	0.203	91,312	0.412[2]	5,173	0.124
Mean[1] 1970-87	134,949	0.300	50,818	0.163	83,478	0.373	653	0.054
Mean[1] 1983-87	159,985	0.244	69,179	0.198	89,340	0.279	1,466	0.075

1 CPUE means calculated after arcsine transformation.
2 CPUE based on retained grilse (Table 2) and estimates of released large salmon (Table 11).

TABLE 5. Scotia-Fundy and the Maritime Provinces portion of the Gulf Region retained catches by year angled (kelt and bright fish), 1970-88.

Year	Numbers grilse					
	Scotia-Fundy			Gulf		
	Kelt	Bright	Total	Kelt	Bright	Total
1970	64	6,869	6,933	7,017	25,980	32,997
1971	157	5,687	5,844	5,249	12,165	17,414
1972	88	6,485	6,573	2,475	27,230	29,705
1973	99	7,755	7,854	7,845	19,984	27,829
1974	93	11,439	11,532	8,562	30,664	39,226
1975	185	6,985	7,170	6,270	17,713	23,983
1976	314	12,727	13,041	9,072	28,372	37,444
1977	265	11,175	11,440	22,567	30,956	53,523
1978	122	5,371	5,493	8,185	15,136	23,321
1979	47	10,337	10,384	8,888	14,084	22,972
1980	45	13,278	13,323	6,281	21,456	27,737
1981	38	12,476	12,514	9,715	16,614	26,329
1982	49	10,898	10,947	2,103	18,721	20,824
1983	109	10,830	10,939	4,424	8,886	13,310
1984	49	8,722	8,771	1,660	12,406	14,066
1985	103	12,538	12,641	3,707	16,268	19,975
1986	102	11,049	11,151	1,588	35,780	37,368
1987	184	10,333	10,517	3,075	18,260	21,335
1988	50	10,506	10,556	4,384	24,517	28,901
Mean 1970-87	117	9,720	9,837	6,594	20,593	27,187

TABLE 6. Grilse (1SW) and large salmon (MSW) counts at several of Scotia-Fundy Region's salmon monitoring facilities, 1985-1988[1].

River (site)	1985		1986		1987		1988	
	1SW	MSW	1SW	MSW	1SW	MSW	1SW	MSW
LaHave (Morgan Falls)	1445	715	1676	647	3102	611	3520	449
	(102)	(77)	(130)	(76)	(573)	(79)	(699)	(59)
Liscomb (Falls)	682	136	1502	225	2137	142	908	120
	(75)	(49)	(766)	(108)	(523)	(54)	(431)	(44)
Saint John (Mactaquac)	7077	6961	7046	4143	8000	3435	9191	2600
	(1746)	(571)	(699)	(487)	(2894)	(344)	(1129)	(670)
St. Croix (Milltown)	49	295	63	257	195	177	102	292
	(8)	(31)	(25)	(53)	(67)	(42)	(9)	(102)
Tusket (Falls)[2]	194	74	138	34	851	28	427	82
	(51)	(17)	(71)	(8)	(735)	(11)	(348)	(59)

1. Hatchery-return 1SW and MSW salmon in parentheses are included in total counts.

2. Incomplete trapping in all 4 years.

TABLE 7. Counts of grilse and large salmon at Mactaquac Dam, Saint John River system, 1970-88.

Year	Number of grilse	Number of large salmon	Total
1970	2,874	2,449	5,323
1971	1,592	2,235	3,827
1972	784	4,831	5,615
1973	1,854	2,367	4,221
1974	3,389	4,775	8,164
1975	5,725	6,200	11,925
1976	6,797	5,511	12,308
1977	3,507	7,247	10,754
1978	1,584	3,034	4,618
1979	6,234	1,993	8,227
1980	7,555	8,157	15,712
1981	4,571	2,441	7,012
1982	3,932	2,262	6,194
1983	3,623	1,712	5,335
1984	7,353	7,011	14,364
1985	5,331	6,391	11,722
1986	7,046	4,143	11,189
1987	7,972	3,530	11,502
1988	9,191	2,600	11,791
Mean 1970-88	4,540	4,238	8,778

TABLE 8. Resident and non-resident Atlantic salmon angling license sales for New Brunswick (1972-88), Nova Scotia (1983-88) and Prince Edward Island (1983-88).

	New Brunswick[1]			Nova Scotia			Prince Edward Island[2]
	Resident	Non-resident	Total	Resident	Non-resident	Total	
1972	8,557	3,540	12,097				
1973	10,148	4,317	14,465				
1974	11,174	4,480	15,654				
1975	12,820	4,008	16,828				
1976	14,809	3,948	18,757				
1977	16,805	4,447	21,252				
1978	16,718	4,423	21,141				
1979	16,765	4,074	20,839				
1980	16,266	4,367	20,633				
1981	16,890	5,074	21,964				
1982	17,950	4,585	22,535				
1983	17,717	4,680	22,397	6,722	876	7,598	321
1984	12,637	3,482	16,119	5,029	761	5,790	68
1985	13,620	4,158	17,778	5,299	788	6,087	117
1986	14,884	4,867	19,751	5,898	857	6,755	279
1987	15,300	5,202	20,502	6,242	935	7,177	461
1988	16,099	5,767	21,866	6,764	1,263	8,027	719

1. License sales figures obtained from N.B. Department of Natural Resources and Energy "FISHSYS" tables.

2. Resident and non-resident breakdown not available.

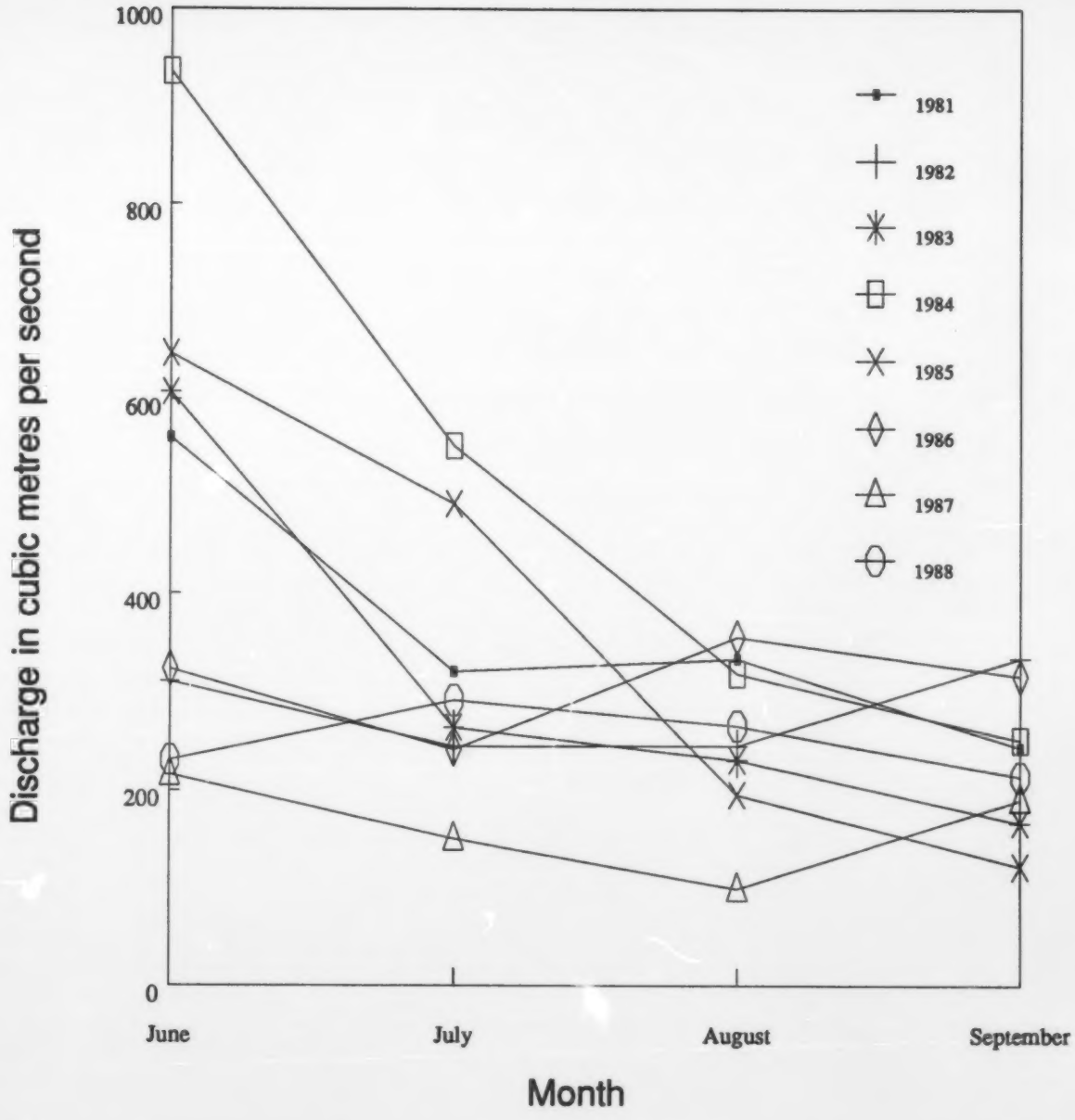

Fig. 1. Mean monthly discharge, June to September, summed for 12 years in New Brunswick and Nova Scotia for the years 1981-88.
(Rivers: Bartibog, Kennebecasis, Magaguadavic, Nashwaak, Northwest Miramichi, Restigouche, Southwest Miramichi, Gold, LaHave, Musquodoboit, Northeast Margaree, and St. Mary's.)

NEW BRUNSWICK AND

PRINCE EDWARD ISLAND

Table 9. Open season dates, New Brunswick and Prince Edward Island rivers, 1988

River	Area	Kelts	Brights
Alma		15 Apr - 15 May	15 Jun - 15 Oct
Bartibog		15 Apr - 15 May	1 Jul - 29 Oct
Big Salmon	- upstream from and including Walton Dam Pool	15 Apr - 15 May	15 Jun - 15 Sep
	- downstream from Walton Dam Pool	15 Apr - 15 May	8 Jun - 22 Oct
Black (Saint John Co.)		15 Apr - 15 May	15 Jun - 15 Oct
Cains		15 Apr - 15 May	1 Jul - 15 Oct
Canaan		15 Apr - 15 May	15 Jun - 15 Oct
Coverdale		15 Apr - 15 May	15 Jun - 15 Oct
Digdequash		15 Apr - 15 May	15 Jun - 15 Oct
Dungarvon		15 Apr - 15 May	8 Jun - 30 Sep
	- above Underwood Brook	15 Apr - 15 May	8 Jun - 15 Sep
Hammond *	- upstream from and including French Village Bridge Pool	15 Apr - 15 May	15 Jun - 15 Oct
	- downstream from French Village Pool	15 Apr - 15 May	15 Jun - 31 Oct
Irish		15 Apr - 15 May	15 Jun - 15 Oct
Jacquet		15 Apr - 15 May	1 Jul - 15 Oct
Kedgwick		No kelt fishery	1 Jun - 31 Aug
Kennebecasis		15 Apr - 15 May	15 Jun - 31 Oct
Little Salmon		15 Apr - 15 May	15 Jun - 15 Oct
Little Southwest Miramichi		15 Apr - 15 May	8 Jun - 30 Sep
	- above Catamaran Brook	15 Apr - 15 May	8 Jun - 15 Sep
Maqaquadavic		15 Apr - 15 May	15 Jun - 15 Oct
Middle (Gloucester Co.)		15 Apr - 15 May	1 Jul - 15 Oct
Midgell (P.E.I.) *		No kelt fishery	15 Jun - 31 Oct
Morell (P.E.I.) *		No kelt fishery	15 Jun - 31 Oct
Mosher		15 Apr - 15 May	15 Jun - 15 Oct
Nashwaak *	- upstream from bridge at Stanley	15 Apr - 15 May	15 Jun - 30 Sep
	- downstream from bridge at Stanley	15 Apr - 15 May	15 Jun - 15 Oct
Nepisiguit *		No kelt fishery	8 Jun - 7 Oct
Nerepis		15 Apr - 15 May	15 Jun - 15 Oct
New		15 Apr - 15 May	15 Jun - 15 Oct
Northwest Miramichi *		15 Apr - 15 May	8 Jun - 30 Sep
	- above Little River	15 Apr - 15 May	8 Jun - 31 Aug
Oromocto		15 Apr - 15 May	15 Jun - 15 Oct
Patapedia		No kelt fishery	1 Jun - 31 Aug
Petitcodiac		15 Apr - 15 May	15 Aug - 15 Oct
Pocologan		15 Apr - 15 May	15 Jun - 15 Oct
Pollett		15 Apr - 15 May	15 Jun - 15 Oct
Renous		15 Apr - 15 May	8 Jun - 30 Sep
	- above North Renous River	15 Apr - 15 May	8 Jun - 15 Sep
Restigouche		No kelt fishery	1 Jun - 31 Aug
Saint Croix		15 Apr - 15 May	15 Jun - 15 Sep
Saint John *	- upstream from the Grafton Bridge in Woodstock	15 Apr - 15 May	15 Jun - 30 Sep
	- downstream from the Grafton Bridge in Woodstock	15 Apr - 15 May	1 Jun - 15 Oct
Salmon (Queens Co.)		15 Apr - 15 May	15 Jun - 15 Oct
Salmon (Victoria Co.)		15 Apr - 15 May	15 Jun - 15 Oct
Sevogle		15 Apr - 15 May	8 Jun - 30 Sep
	- above Square Forks	15 Apr - 15 May	8 Jun - 15 Sep
Shepody		15 Apr - 15 May	15 Jun - 15 Oct
Southwest Miramichi *		15 Apr - 15 May	8 Jun - 30 Sep
	- Rocky Brook	15 Apr - 15 May	1 Jun - 31 Aug
	- above McKiel Brook and tributaries above Cains River	15 Apr - 15 May	8 Jun - 15 Sep
Tabusintac *		15 Apr - 15 May	1 Jul - 26 Oct
Tetagouche		15 Apr - 15 May	1 Jul - 15 Oct
Tobique *		15 Apr - 15 May	15 Jun - 15 Sep
Tracadie		15 Apr - 15 May	1 Jul - 15 Oct
Upsalquitch		No kelt fishery	1 Jun - 31 Aug
Waweig		15 Apr - 15 May	15 Jun - 15 Oct

* See variation orders and fishing prohibitions on page 12.

TABLE 10. New Brunswick and Prince Edward Island variation orders, fishing prohibitions and special seasons, 1988.

Bartholomew River		Closed to fishing in those waters from its confluence with the Southwest Miramichi River including its branches but not its tributaries from June 20 to December 31, 1988.
Hammond River		Closed to fishing in those waters of Palmer Brook from its confluence with the Hammond River upstream 200 m to a point as marked by a fishery officer from July 30 to December 31, 1988.
Midgell River		Catch and release "only" season from October 1 to October 31, 1988.
Morell River		Catch and release "only" season from October 1 to October 31, 1988.
Nashwaak River	(1)	Closed to fishing in those waters in York County locally known as Ross Pool, and extending from a point located 150 m downstream of the mouth of Porters Brook to a point located 30 m upstream of the mouth of Porters Brook from June 1 to December 31, 1988.
	(2)	Closed to fishing in those waters locally known as Big Basin Pool lying between a point at Grid Reference 49342893 and a point at Grid Reference 49522899 as shown on map Coldstream 21 J/6 of the National Topographic Series, scale 1:50,000, from June 15 to December 31, 1988.
Nepisiguit River	(1)	Closed to fishing in those waters from the head of Pabineau Falls pool downstream for a distance of 45 m to a point as marked by a fishery officer from May 13 to October 8, 1988.
	(2)	Closed to fishing in those waters from 100 m above to 100 m below the Nepisiguit trap counting fence from May 25 to December 31, 1988.
Northwest Miramichi River	(1)	Closed to fishing in those waters from 100 m above to 100 m below the Miner's Bridge from June 1 to December 31, 1988.
	(2)	Closed to fishing except by artificial fly in those waters from the Forks to the upper line of lot number 1 granted to William Crawford and the South Branch of the Northwest Miramichi River from its confluence with the Northwest Miramichi River to its source, but not including any tributaries, from June 3 to December 31, 1988.
Point Wolfe River		Closed to salmon angling in 1988.
Saint John River		Closed to fishing in those waters in Carleton County lying between the highway bridge at Grafton and the railroad bridge at Upper Woodstock from June 15 to December 31, 1988.
Southwest Miramichi River	(1)	Closed to fishing in those waters from 100 m above to 100 m below the Quarryville bridge from July 21 to December 31, 1988.
	(2)	Closed to fishing in those waters from a point situated at 100 m above Mill Brook downstream one kilometre to a point marked by a fishery officer from August 4 to August 8, 1988.
	(3)	Closed to fishing in those waters from the Canadian National Railway Bridge downstream to the highway number 8 bridge from August 4 to August 8, 1988.
Tabusintac River		Closed to fishing except by artificial fly in those waters upstream from the Cain's Point bridge from April 15 to May 14, 1988.
Tobique River	(1)	Closed to fishing in those waters lying between a sign posted by a fishery officer at a point approximately 185 m downstream of a place locally known as the salmon dumping site at Gladwyn, and a sign posted by a fishery officer at a point approximately 90 m downstream of the mouth of Trout Brook from June 15 to December 31, 1988.
	(2)	Closed to fishing in those waters of the Campbell River (right hand branch of the Tobique River) beginning at the mouth of the Mamozekel River upstream to a point 200 m above the Tobique Salmon Enhancement Project holding fence from July 1 to December 31, 1988.

TABLE 11. Estimates of large salmon released by anglers on several New Brunswick rivers in 1988.[1]

River	Number
Digdeguash	8
Jacquet	112
Kedgwick	676
L.S.W. Miramichi	321
Magaguadavic	26
Nashwaak	190
Nepisiguit	600
Nerepis	2
N.W. Miramichi	548
Patapedia	77
Restigouche	3134
Saint Croix	22
Saint John	346
Sevogle	108
Tracadie	37
Upsalquitch	659
Waweig	12
Total	6878

1. Estimates of released fish not available on other New Brunswick rivers.

TABLE 12. Sport catch by individual river for New Brunswick and Prince Edward Island.

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
ALMA 127								
Bright Fish								
September	3	6			3	6	44	0.068
BARTIBOG 19								
Kelts								
April	47	64	0	0	47	64	310	0.152
May	36	49	0	0	36	49	173	0.208
Total	83	113	0	0	83	113	483	0.172
Bright Fish								
August	20	27	0	0	20	27	40	0.500
September	1200	1633	0	0	1200	1633	600	2.000
October	1350	2449	0	0	1350	2449	450	3.000
Total	2570	4109	0	0	2570	4109	1090	2.358
BIG SALMON 131								
Bright Fish								
June	2	4	0	0	2	4	25	0.000
July	13	27	0	0	13	27	282	0.046
August	6	12	0	0	6	12	179	0.034
September	7	14	0	0	7	14	134	0.052
October	2	4	0	0	2	4	20	0.100
Total	30	61	0	0	30	61	640	0.047
CAINS 146								
Kelts								
April	50	64	0	0	50	64	42	1.190
May	12	16	0	0	12	16	31	0.387
Total	62	80	0	0	62	80	73	0.849
Bright Fish								
July	61	83	0	0	61	83	280	0.218
August	180	265	0	0	180	265	585	0.308
September	478	867	0	0	478	867	912	0.524
October	603	829	0	0	603	829	2023	0.298
Total	1322	2044	0	0	1322	2044	3800	0.348

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
CANAAN 141								
Bright Fish								
September	25	51	0	0	25	51	140	0.179
DIGDEGUASH 139								
Bright Fish								
July	2	4	0	0	2	4	24	0.083
August	3	6	0	0	3	6	48	0.063
September	6	12	0	0	6	12	48	0.125
October	6	12	0	0	6	12	48	0.125
Total	17	35	0	0	17	35	168	0.101
DUNGARVON 148								
Bright Fish								
June	33	60	0	0	33	60	240	0.138
July	89	121	0	0	89	121	474	0.188
August	81	119	0	0	81	119	253	0.320
September	98	178	0	0	98	178	195	0.503
Total	301	478	0	0	301	478	1162	0.259
HAMMOND 133a								
Bright Fish								
June	2	4	0	0	2	4	27	0.074
July	14	29	0	0	14	29	84	0.167
August	18	37	0	0	18	37	99	0.182
September	39	80	0	0	39	80	171	0.228
October	52	106	0	0	52	106	148	0.351
Total	125	255	0	0	125	255	529	0.236

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
JACQUET 6								
Kelts								
April	6	8	0	0	6	8	90	0.067
May	10	14	0	0	10	14	90	0.111
Total	16	22	0	0	16	22	180	0.089
Bright Fish								
July	30	45	0	0	30	45	90	0.333
August	40	60	0	0	40	60	120	0.333
September	30	45	0	0	30	45	90	0.333
October	10	15	0	0	10	15	20	0.500
Total	110	165	0	0	110	165	320	0.344
KEDGWICK 1								
Bright Fish								
June	25	45	0	0	25	45	301	0.083
July	364	660	0	0	364	660	410	0.888
August	414	730	0	0	414	730	492	0.841
Total	803	1435	0	0	803	1435	1203	0.667
KENNEBECASIS 134								
Bright Fish								
June	6	12	0	0	6	12	82	0.073
July	20	41	0	0	20	41	238	0.084
August	32	65	0	0	32	65	339	0.094
September	18	37	0	0	18	37	217	0.083
October	14	29	0	0	14	29	49	0.286
Total	90	184	0	0	90	184	925	0.097

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
LITTLE SOUTHWEST MIRAMICHI 150								
Kelts								
April	110	125	0	0	110	125	105	1.048
May	175	199	0	0	175	199	320	0.547
Total	285	324	0	0	285	324	425	0.671
Bright Fish								
June	28	44	0	0	28	44	316	0.089
July	63	86	0	0	63	86	512	0.123
August	179	325	0	0	179	325	361	0.496
September	81	128	0	0	81	128	203	0.399
Total	351	583	0	0	351	583	1392	0.252
MAGAGUADAVIC 138								
Bright Fish								
July	4	8	0	0	4	8	40	0.100
August	15	31	0	0	15	31	160	0.094
September	28	57	0	0	28	57	200	0.140
October	13	27	0	0	13	27	70	0.186
Total	60	122	0	0	60	122	470	0.128
MIDDLE(Gloucester) 9								
Kelts								
May	25	45	0	0	25	45	80	0.313
Bright Fish								
July	5	9	0	0	5	9	35	0.143
August	6	11	0	0	6	11	35	0.171
September	15	27	0	0	15	27	75	0.200
October	6	11	0	0	6	11	24	0.250
Total	32	58	0	0	32	58	169	0.189

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
MIDGELL 41								
Bright Fish								
June	0	0	0	0	0	0	18	0.000
July	0	0	0	0	0	0	42	0.000
August	0	0	0	0	0	0	35	0.000
September	0	0	0	0	0	0	72	0.000
October	0	0	0	0	0	0	12	0.000
Total	0	0	0	0	0	0	179	0.000
MORELL 40								
Bright Fish								
June	62	112	0	0	62	112	896	0.069
July	372	675	0	0	372	675	1922	0.194
August	136	247	0	0	136	247	1426	0.095
September	73	132	0	0	73	132	690	0.106
October	0	0	0	0	0	0	60	0.000
Total	643	1167	0	0	643	1167	4994	0.129
NASHWAAK 144								
Kelts								
April	30	61	0	0	30	61	100	0.300
May	20	41	0	0	20	41	80	0.250
Total	50	102	0	0	50	102	180	0.278
Bright Fish								
June	34	69	0	0	34	69	630	0.054
July	50	102	0	0	50	102	1170	0.043
August	25	51	0	0	25	51	690	0.036
September	62	126	0	0	62	126	1110	0.056
October	30	61	0	0	30	61	350	0.086
Total	201	410	0	0	201	410	3950	0.051

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
NEPISIGUIT 11								
Bright Fish								
June	40	70	0	0	40	70	500	0.080
July	70	120	0	0	70	120	600	0.117
August	50	100	0	0	50	100	400	0.125
September	665	1200	0	0	665	1200	2700	0.246
October	175	315	0	0	175	315	800	0.219
Total	1000	1805	0	0	1000	1805	5000	0.200
NEREPIS 135a								
Bright Fish								
August	0	0	0	0	0	0	4	0.000
September	5	10	0	0	5	10	200	0.025
October	8	16	0	0	8	16	100	0.080
Total	13	27	0	0	13	27	304	0.043
NEW 136								
Bright Fish								
July	1	2	0	0	1	2	3	0.333
August	0	0	0	0	0	0	5	0.000
Total	1	2	0	0	1	2	8	0.125
NORTHWEST MIRAMICHI 152								
Kelts								
April	296	277	0	0	296	277	82	3.610
May	186	169	0	0	186	169	311	0.598
Total	482	446	0	0	482	446	393	1.226
Bright Fish								
June	38	60	0	0	38	60	793	0.048
July	45	71	0	0	45	71	847	0.053
August	135	184	0	0	135	184	918	0.147
September	800	1089	0	0	800	1089	570	1.404
Total	1018	1404	0	0	1018	1404	3128	0.325

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
OROMOCTO 142								
Bright Fish								
August	0	0	0	0	0	0	8	0.000
September	0	0	0	0	0	0	2	0.000
October	0	0	0	0	0	0	4	0.000
Total	0	0	0	0	0	0	14	0.000
PATAPEDIA 2a								
Bright Fish								
June	0	0	0	0	0	0	23	0.000
July	59	107	0	0	59	107	110	0.536
August	21	38	0	0	21	38	62	0.339
Total	80	145	0	0	80	145	195	0.410
POCOLOGAN 137								
Bright Fish								
July	0	0	0	0	0	0	2	0.000
August	0	0	0	0	0	0	2	0.000
Total	0	0	0	0	0	0	4	0.000
RENOUS 149								
Kelts								
April	85	96	0	0	85	96	61	1.393
May	21	29	0	0	21	29	41	0.512
Total	106	125	0	0	106	125	102	1.039
Bright Fish								
June	205	372	0	0	205	372	980	0.209
July	276	414	0	0	276	414	1515	0.182
August	432	686	0	0	432	686	1480	0.292
September	610	1107	0	0	610	1107	2000	0.305
Total	1523	2579	0	0	1523	2579	5975	0.255

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
RESTIGOUCHE 2								
Bright Fish								
June	111	201	0	0	111	201	2143	0.052
July	2564	4638	0	0	2564	4638	3281	0.781
August	1230	2232	0	0	1230	2232	2153	0.571
Total	3905	7071	0	0	3905	7071	7577	0.515
SAINT CROIX (CHARLOTTE) 140								
Bright Fish								
June	1	2	0	0	0	0	75	0.000
July	6	12	0	0	6	12	150	0.040
August	10	20	0	0	10	20	150	0.067
September	4	8	0	0	4	8	75	0.053
Total	21	43	0	0	20	41	450	0.044
SAINT JOHN 135								
Bright Fish								
June	17	35	0	0	17	35	1692	0.010
July	608	1240	0	0	608	1240	3440	0.177
August	160	326	0	0	160	326	1800	0.089
September	188	384	0	0	188	384	880	0.214
October	10	20	0	0	10	20	210	0.048
Total	983	2005	0	0	983	2005	8022	0.123
SALMON (VICTORIA CO.) 154								
Bright Fish								
August	70	98	0	0	70	98	250	0.280
SALMON (QUEENS CO.) 143								
Bright Fish								
July	22	45	0	0	22	45	110	0.200
August	30	61	0	0	30	61	150	0.200
September	11	22	0	0	11	22	55	0.200
October	12	24	0	0	12	24	60	0.200
Total	75	153	0	0	75	153	375	0.200

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
SEVOGLE 151								
Kelts								
May	15	16	0	0	15	16	18	0.833
Bright Fish								
June	17	23	0	0	17	23	297	0.057
July	22	35	0	0	22	35	303	0.073
August	315	429	0	0	315	429	413	0.763
September	525	714	0	0	525	714	305	1.721
Total	879	1201	0	0	879	1201	1318	0.667
SOUTHWEST MIRAMICHI 20								
Kelts								
April	2606	3462	0	0	2606	3462	2978	0.875
May	510	605	0	0	510	605	1337	0.381
Total	3116	4067	0	0	3116	4067	4315	0.722
Bright Fish								
June	477	865	0	0	477	865	2067	0.231
July	1458	2170	0	0	1458	2170	5038	0.289
August	1626	2743	0	0	1626	2743	4252	0.382
September	4777	8667	0	0	4777	8667	8713	0.548
Total	8338	14445	0	0	8338	14445	20070	0.415
TABUSINTAC 18								
Kelts								
April	164	234	0	0	164	234	675	0.243
May	9	13			9	13	96	0.094
Total	173	247	0	0	173	247	771	0.224
Bright Fish								
August	7	12	0	0	7	12	57	0.123
September	94	133	0	0	94	133	302	0.311
October	80	145	0	0	80	145	380	0.211
Total	181	290	0	0	181	290	739	0.245

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
TETAGOUCHE 8								
Kelts								
May	15	27	0	0	15	27	60	0.250
Bright Fish								
July	5	9	0	0	5	9	30	0.167
August	6	11	0	0	6	11	35	0.171
September	11	20	0	0	11	20	55	0.200
October	6	11	0	0	6	11	18	0.333
Total	28	51	0	0	28	51	138	0.203
TOBIQUE 153								
Bright Fish								
June	12	20	0	0	12	20	700	0.017
July	250	443	0	0	250	443	3261	0.077
August	521	739	0	0	521	739	6417	0.081
September	77	135	0	0	77	135	1621	0.048
Total	860	1337	0	0	860	1337	11999	0.072
TRACADIE 17								
Kelts								
April	3	5	0	0	3	5	15	0.200
May	3	5	0	0	3	5	31	0.097
Total	6	10	0	0	6	10	46	0.130
Bright Fish								
July	2	4	0	0	2	4	84	0.024
August	7	13	0	0	7	13	119	0.059
September	12	22	0	0	12	22	104	0.115
October	3	5	0	0	3	5	30	0.100
Total	24	44	0	0	24	44	337	0.071

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
UPSALQUITCH 3								
Bright Fish								
June	65	118	0	0	65	118	277	0.235
July	776	1267	0	0	776	1267	1032	0.752
August	455	826	0	0	455	826	792	0.574
Total	1296	2211	0	0	1296	2211	2101	0.617
WAWEIG 139a								
Bright Fish								
July	0	0	0	0	0	0	30	0.000
August	2	4	0	0	2	4	60	0.033
September	4	8	0	0	4	8	60	0.067
October	4	8	0	0	4	8	30	0.133
Total	10	20	0	0	10	20	180	0.056

TABLE 13. Sport catch by river system for New Brunswick and Prince Edward Island.

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
Miramichi River System								
Kelts								
April	3147	4024	0	0	3147	4024	3268	0.963
May	919	1034	0	0	919	1034	2058	0.447
Total	4066	5058	0	0	4066	5058	5326	0.763
Bright Fish								
June	798	1424	0	0	798	1424	4693	0.170
July	2014	2980	0	0	2014	2980	8969	0.225
August	2948	4751	0	0	2948	4751	8262	0.357
September	7369	12750	0	0	7369	12750	12898	0.571
October	603	829	0	0	603	829	2023	0.298
Total	13732	22734	0	0	13732	22734	36845	0.373
Restigouche River System								
Bright Fish								
June	201	364	0	0	201	364	2744	0.073
July	3763	6672	0	0	3763	6672	4833	0.779
August	2120	3826	0	0	2120	3826	3499	0.606
Total	6084	10862	0	0	6084	10862	11076	0.549
Saint John River System								
Kelts								
April	30	61	0	0	30	61	100	0.300
May	20	41	0	0	20	41	80	0.250
Total	50	102	0	0	50	102	180	0.278
Bright Fish								
June	71	140	0	0	71	140	3131	0.023
July	964	1900	0	0	964	1900	8303	0.116
August	856	1378	0	0	856	1378	9757	0.088
September	425	845	0	0	425	845	4396	0.097
October	126	257	0	0	126	257	921	0.137
Total	2442	4519	0	0	2442	4519	26508	0.092

TABLE 14. Sport catch by district for New Brunswick and Prince Edward Island.

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
District 48								
Bright Fish								
June	19	39	0	0	19	39	1717	0.011
July	621	1267	0	0	621	1267	3722	0.167
August	166	339	0	0	166	339	1979	0.084
September	195	398	0	0	195	398	1014	0.192
October	12	24	0	0	12	24	230	0.052
Total	1013	2067	0	0	1013	2067	8662	0.117
District 52								
Bright Fish								
June	1	2	0	0	1	2	75	0.013
July	12	24	0	0	12	24	244	0.049
August	30	61	0	0	30	61	418	0.072
September	42	86	0	0	42	86	383	0.110
October	23	47	0	0	23	47	148	0.155
Total	108	220	0	0	108	220	1268	0.085
District 53								
Bright Fish								
July	1	2	0	0	1	2	5	0.200
August	0	0	0	0	0	0	7	0.000
Total	1	2	0	0	1	2	12	0.083
District 55								
Bright Fish								
June	8	16	0	0	8	16	109	0.073
July	34	69	0	0	34	69	322	0.106
August	50	102	0	0	50	102	442	0.113
September	62	126	0	0	62	126	588	0.105
October	74	151	0	0	74	151	297	0.249
Total	228	465	0	0	228	465	1758	0.130

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
District 56								
Bright Fish								
July	22	45	0	0	22	45	110	0.200
August	30	61	0	0	30	61	150	0.200
September	36	73	0	0	36	73	195	0.185
October	12	24	0	0	12	24	60	0.200
Total	100	204	0	0	100	204	515	0.194
District 57								
Bright Fish								
August	0	0	0	0	0	0	8	0.000
September	0	0	0	0	0	0	2	0.000
October	0	0	0	0	0	0	4	0.000
Total	0	0	0	0	0	0	14	0.000
District 58								
Kelts								
April	30	61	0	0	30	61	100	0.300
May	20	41	0	0	20	41	80	0.250
Total	50	102	0	0	50	102	180	0.278
Bright Fish								
June	34	69	0	0	34	69	630	0.054
July	50	102	0	0	50	102	1170	0.043
August	25	51	0	0	25	51	690	0.036
September	62	126	0	0	62	126	1110	0.056
October	30	61	0	0	30	61	350	0.086
Total	201	410	0	0	201	410	3950	0.051
District 60								
Bright Fish								
June	12	20	0	0	12	20	700	0.017
July	250	443	0	0	250	443	3261	0.077
August	591	837	0	0	591	837	6667	0.089
September	77	135	0	0	77	135	1621	0.048
Total	930	1435	0	0	930	1435	12249	0.076

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
District 63								
Kelts								
April	6	8	0	0	6	8	90	0.067
May	10	14	0	0	10	14	90	0.111
Total	16	22	0	0	16	22	180	0.089
Bright Fish								
June	201	364	0	0	201	364	2744	0.073
July	3793	6717	0	0	3793	6717	4923	0.770
August	2160	3886	0	0	2160	3886	3619	0.597
September	30	45	0	0	30	45	90	0.333
October	10	15	0	0	10	15	20	0.500
Total	6194	11027	0	0	6194	11027	11396	0.544
District 64								
Kelts								
May	40	72	0	0	40	72	140	0.286
Bright Fish								
June	40	70	0	0	40	70	500	0.080
July	80	138	0	0	80	138	665	0.120
August	62	122	0	0	62	122	470	0.132
September	691	1247	0	0	691	1247	2830	0.244
October	187	337	0	0	187	337	842	0.222
Total	1060	1914	0	0	1060	1914	5307	0.200
District 68								
Kelts								
April	3	5	0	0	3	5	15	0.200
May	3	5	0	0	3	5	31	0.097
Total	6	10	0	0	6	10	46	0.130
Bright Fish								
July	2	4	0	0	2	4	84	0.024
August	7	13	0	0	7	13	119	0.059
September	12	22	0	0	12	22	104	0.115
October	3	5	0	0	3	5	30	0.100
Total	24	44	0	0	24	44	337	0.071

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
District 70								
Kelts								
April	164	234	0	0	164	234	675	0.243
May	9	13	0	0	9	13	96	0.094
Total	173	247	0	0	173	247	771	0.224
Bright Fish								
August	7	12	0	0	7	12	57	0.123
September	94	133	0	0	94	133	302	0.311
October	80	145	0	0	80	145	380	0.211
Total	181	290	0	0	181	290	739	0.245
District 71								
Kelts								
April	47	64	0	0	47	64	310	0.152
May	36	49	0	0	36	49	173	0.208
Total	83	113	0	0	83	113	483	0.172
Bright Fish								
August	20	27	0	0	20	27	40	0.500
September	1200	1633	0	0	1200	1633	600	2.000
October	1350	2449	0	0	1350	2449	450	3.000
Total	2570	4109	0	0	2570	4109	1090	2.358

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
District 72								
Kelts								
April	3147	4024	0	0	3147	4024	3268	0.963
May	919	1034	0	0	919	1034	2058	0.447
Total	4066	5058	0	0	4066	5058	5326	0.763
Bright Fish								
June	798	1424	0	0	798	1424	4693	0.170
July	2014	2980	0	0	2014	2980	8969	0.225
August	2948	4751	0	0	2948	4751	8262	0.357
September	7369	12750	0	0	7369	12750	12898	0.571
October	603	829	0	0	603	829	2023	0.298
Total	13732	22734	0	0	13732	22734	36845	0.373
District 79								
Bright Fish								
September	3	6	0	0	3	6	44	0.068
District 88								
Bright Fish								
June	62	112	0	0	62	112	914	0.068
July	372	675	0	0	372	675	1964	0.189
August	136	247	0	0	136	247	1461	0.093
September	73	132	0	0	73	132	762	0.096
October	0	0	0	0	0	0	72	0.000
Total	643	1167	0	0	643	1167	5173	0.124

TABLE 15. Sport catch by county for New Brunswick and Prince Edward Island.

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
Albert Co. N.B.								
Bright Fish								
September	3	6	0	0	3	6	44	0.068
Carleton Co. N.B.*								
Kelts								
April	8	11	0	0	8	11	15	0.533
May	2	2	0	0	2	2	7	0.286
Total	10	13	0	0	10	13	22	0.455
Bright Fish								
June	26	47	0	0	26	47	166	0.157
July	206	309	0	0	206	309	735	0.280
August	164	275	0	0	164	275	716	0.229
September	247	448	0	0	247	448	898	0.275
Total	643	1079	0	0	643	1079	2515	0.256
Charlotte Co. N.B.								
Bright Fish								
June	1	2	0	0	1	2	75	0.013
July	13	27	0	0	13	27	249	0.052
August	30	61	0	0	30	61	425	0.071
September	42	86	0	0	42	86	383	0.110
October	23	47	0	0	23	47	148	0.155
Total	109	222	0	0	109	222	1280	0.085

* Southwest Miramichi component is based on 1974-83 mean proportion of catch by county.

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
Gloucester Co. N.B.								
Kelts								
April	3	5	0	0	3	5	15	0.200
May	43	77	0	0	43	77	171	0.251
Total	46	82	0	0	46	82	186	0.247
Bright Fish								
June	40	70	0	0	40	70	500	0.080
July	82	142	0	0	82	142	749	0.109
August	69	135	0	0	69	135	589	0.117
September	703	1269	0	0	703	1269	2934	0.240
October	190	342	0	0	190	342	872	0.218
Total	1084	1958	0	0	1084	1958	5644	0.192
Kings Co. N.B.								
Bright Fish								
June	8	16	0	0	8	16	109	0.073
July	34	69	0	0	34	69	322	0.106
August	50	102	0	0	50	102	442	0.113
September	62	126	0	0	62	126	588	0.105
October	74	151	0	0	74	151	297	0.249
Total	228	465	0	0	228	465	1758	0.130
Northumberland Co. N.B.								
Kelts								
April	3254	4185	0	0	3254	4185	4045	0.804
May	944	1073	0	0	944	1073	2233	0.423
Total	4198	5258	0	0	4198	5258	6278	0.669
Bright Fish								
June	631	1121	0	0	631	1121	4052	0.156
July	1504	2216	0	0	1504	2216	7407	0.203
August	2406	3835	0	0	2406	3835	7041	0.342
September	6991	11482	0	0	6991	11482	11099	0.630
October	2033	3423	0	0	2033	3423	2853	0.713
Total	13565	22077	0	0	13565	22077	32452	0.418

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
Queens Co. N.B.								
Bright Fish								
July	22	45	0	0	22	45	110	0.200
August	30	61	0	0	30	61	150	0.200
September	36	73	0	0	36	73	195	0.185
October	12	24	0	0	12	24	60	0.200
Total	100	204	0	0	100	204	515	0.194
Restigouche Co. N.B.								
Kelts								
April	6	8	0	0	6	8	90	0.067
May	10	14	0	0	10	14	90	0.111
Total	16	22	0	0	16	22	180	0.089
Bright Fish								
June	201	364	0	0	201	364	2744	0.073
July	3793	6717	0	0	3793	6717	4923	0.770
August	2160	3886	0	0	2160	3886	3619	0.597
September	30	45	0	0	30	45	90	0.333
October	10	15	0	0	10	15	20	0.500
Total	6194	11027	0	0	6194	11027	11396	0.544
Saint John Co. N.B.								
Bright Fish								
June	2	4	0	0	2	4	25	0.080
July	13	27	0	0	13	27	282	0.046
August	6	12	0	0	6	12	179	0.034
September	7	14	0	0	7	14	134	0.052
October	2	4	0	0	2	4	20	0.100
Total	30	61	0	0	30	61	640	0.047
Sunbury Co. N.B.								
Bright Fish								
August	0	0	0	0	0	0	8	0.000
September	0	0	0	0	0	0	2	0.000
October	0	0	0	0	0	0	4	0.000
Total	0	0	0	0	0	0	14	0.000

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
Victoria Co. N.B.								
Bright Fish								
June	12	20	0	0	12	20	700	0.017
July	250	443	0	0	250	443	3261	0.077
August	591	837	0	0	591	837	6667	0.089
September	77	135	0	0	77	135	1621	0.048
Total	930	1435	0	0	930	1435	12249	0.076
York Co. N.B. *								
Kelts								
April	126	187	0	0	126	187	293	0.430
May	38	62	0	0	38	62	167	0.228
Total	164	249	0	0	164	249	460	0.357
Bright Fish								
June	192	355	0	0	192	355	2797	0.069
July	962	1609	0	0	962	1609	5437	0.177
August	590	1008	0	0	590	1008	3092	0.191
September	1675	3050	0	0	1675	3050	3793	0.442
October	40	79	0	0	40	79	560	0.071
Total	3459	6101	0	0	3459	6101	15679	0.221
Kings Co. P.E.I.								
Bright Fish								
June	62	112	0	0	62	112	914	0.068
July	372	675	0	0	372	675	1964	0.189
August	136	247	0	0	136	247	1461	0.093
September	73	132	0	0	73	132	762	0.096
October	0	0	0	0	0	0	72	0.000
Total	643	1167	0	0	643	1167	5173	0.124

* Southwest Miramichi component is based on 1974-83 mean proportion of catch by county.

TABLE 16. Sport catch by Salmon Fishing Area for New Brunswick and Prince Edward Island.

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
Salmon fishing area 15								
Kelts								
April	9	13	0	0	9	13	105	0.086
May	53	91	0	0	53	91	261	0.203
Total	62	104	0	0	62	104	366	0.169
Bright Fish								
June	241	434	0	0	241	434	3244	0.074
July	3875	6859	0	0	3875	6859	5672	0.683
August	2229	4021	0	0	2229	4021	4208	0.530
September	733	1314	0	0	733	1314	3024	0.242
October	200	357	0	0	200	357	892	0.224
Total	7278	12985	0	0	7278	12985	17040	0.427
Salmon fishing area 16								
Kelts								
April	3358	4322	0	0	3358	4322	4253	0.790
May	964	1096	0	0	964	1096	2327	0.414
Total	4322	5418	0	0	4322	5418	6580	0.657
Bright Fish								
June	798	1424	0	0	798	1424	4693	0.170
July	2014	2980	0	0	2014	2980	8969	0.225
August	2975	4790	0	0	2975	4790	8359	0.356
September	8663	14516	0	0	8663	14516	13800	0.628
October	2033	3423	0	0	2033	3423	2853	0.713
Total	16483	27133	0	0	16483	27133	38674	0.426

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
Salmon fishing area 23								
Kelts								
April	30	61	0	0	30	61	100	0.300
May	20	41	0	0	20	41	80	0.250
Total	50	102	0	0	50	102	180	0.278
Bright Fish								
June	74	146	0	0	74	146	3231	0.023
July	990	1953	0	0	990	1953	8834	0.112
August	892	1451	0	0	892	1451	10361	0.086
September	477	951	0	0	477	951	4957	0.096
October	151	308	0	0	151	308	1089	0.139
Total	2584	5274	0	0	2584	5274	28472	0.091
Salmon fishing area 17								
Bright Fish								
June	62	112	0	0	62	112	914	0.068
July	372	675	0	0	372	675	1964	0.189
August	136	247	0	0	136	247	1461	0.093
September	73	132	0	0	73	132	762	0.096
October	0	0	0	0	0	0	72	0.000
Total	643	1167	0	0	643	1167	5173	0.124

TABLE 17. Sport catch by province for New Brunswick and Prince Edward Island.

	Grilse		Large salmon		Total		Effort	Catch/effort
	Number	Wt (kg)	Number	Wt (kg)	Number	Wt (kg)	(rod-days)	(fish/rod-day)
New Brunswick								
Kelts								
April	3397	4396	0	0	3397	4396	4458	0.762
May	1037	1228	0	0	1037	1228	2668	0.389
Total	4434	5624	0	0	4434	5624	7126	0.622
Bright Fish								
June	1113	2004	0	0	1113	2004	11168	0.100
July	6879	11792	0	0	6879	11792	23475	0.293
August	6096	10262	0	0	6096	10262	22928	0.266
September	9873	16781	0	0	9873	16781	21781	0.453
October	2384	4088	0	0	2384	4088	4834	0.493
Total	26345	44927	0	0	26345	44927	84186	0.313
Prince Edward Island								
Bright Fish								
June	62	112	0	0	62	112	914	0.068
July	372	675	0	0	372	675	1964	0.189
August	136	247	0	0	136	247	1461	0.093
September	73	132	0	0	73	132	762	0.096
October	0	0	0	0	0	0	72	0.000
Total	643	1167	0	0	643	1167	5173	0.124

NOVA SCOTIA

Table 18. 1988 Nova Scotia Atlantic salmon recreational catch summary data.

Number of licenses issued in 1988	8,027
Number of license stubs returned	6,101
Overall response rate	76%
Number of unspoiled stubs used in analysis	5,899

Number of	Observed number	Percent observed	Estimated number
resident anglers	5,047	86	6,764[1]
non-resident anglers	852	14	1,263[1]
anglers who fished	5,094	86	6,932
licensees who did not fish	805	14	1,095
successful anglers	2,574	44	3,502
unsuccessful anglers	2,520	43	3,429
rod-days fished in season	66,962		78,544
rod-days fished by successful anglers	48,815		
rod-days fished by unsuccessful anglers	18,147		
rod-days per angler[2]	13.15		
rivers fished per angler[2]	1.68		
fish retained	6,851		8,036
grilse retained	6,851		8,036
large salmon retained	0		0
fish released	6,770		7,941
grilse released	977		1,146
large salmon released	5,793		6,795
fish angled (retained + released)	13,621		15,977
fish per rod-day	0.203		
fish per angler[2]	2.67		
fish per licensee	1.99		

1. Actual number, not estimated.
2. Angler refers to a licensee who fished; note that 14% of licensees did not fish.

TABLE 19. 1988: Catch by river.

River		Season dates				Numbers retained										Numbers released			
		Begin		End		Observed	Grilse			Salmon			Unknown	Totals			Grilse		Salmon	
						No. of	Obs.	Estimated		Obs.	Estimated		Obs.	Obs.	Estimated					
Code	Name	D	M	D	M	anglers	No.	No.	kg	No.	No.	kg	No.	No.	No.	kg	Obs.	Est.	Obs.	Est.
1	Aconi Brook	15	06	15	10	3	6	7	10	0	0	0	0	6	7	10	0	0	0	0
2	Annapolis	1	05	31	07	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Apple	15	08	31	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Baddeck	15	06	15	10	86	16	19	35	0	0	0	0	16	19	35	15	18	149	175
5	Barachois	15	06	15	10	15	4	5	12	0	0	0	0	4	5	12	2	2	10	12
6	Barney's	1	09	31	10	2	1	1	2	0	0	0	0	1	1	2	0	0	7	8
7	Barrington	10	05	15	08	0														
8	Bass	15	08	31	10	0														
9	Bear	15	08	31	10	0														
10	Broad	10	05	15	08	0														
11	Catalone	15	06	15	10	95	71	83	136	0	0	0	0	71	83	136	12	14	58	68
12	Cheticamp	1	09	31	10	28	1	1	2	0	0	0	0	1	1	2	0	0	37	43
13	Chezzetcook	1	06	29	08	0														
14	Chiganois	15	08	31	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Clam Harbour	24	06	22	09	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Clyburne	15	06	15	10	3	0	0	0	0	0	0	0	0	0	0	0	0	4	5
16	Clyde	10	05	15	10	65	98	115	200	0	0	0	0	98	115	200	21	25	39	46
17	Cole Harbour	1	06	29	08	0														
18	Cornwallis	15	08	31	10	9	1	1	2	0	0	0	0	1	1	2	0	0	1	1
19	Country Harbour	24	06	22	09	19	20	23	40	0	0	0	0	20	23	40	3	4	13	15
20	Debert	15	08	31	10	37	17	20	31	0	0	0	0	17	20	31	0	0	4	5
21	Diligent	15	08	31	10	0														
118	East Colchester	15	08	31	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	East: Lunenburg Co.	10	05	15	08	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0
23	East: Pictou Co.	1	09	31	10	200	81	95	164	0	0	0	0	81	95	164	29	34	360	422
24	East: Sheet Harbour	1	06	29	08	53	112	131	213	0	0	0	0	112	131	213	40	47	17	20
25	Economy	15	08	31	10	26	8	9	15	0	0	0	0	8	9	15	0	0	1	1
26	Ecum Secum	1	06	29	08	66	97	114	193	0	0	0	0	97	114	193	6	7	10	12
27	Folly	15	08	31	10	39	34	40	70	0	0	0	0	34	40	70	7	8	6	7
28	Framboise	15	06	15	10	62	73	86	146	0	0	0	0	73	86	146	6	7	57	67
29	French	1	09	31	10	3	0	0	0	0	0	0	0	0	0	0	0	0	1	1
32	Gaspereau: Brook	1	06	29	08	4	2	2	4	0	0	0	0	2	2	4	0	0	0	0
30	Gaspereau: C. Breton	15	06	15	10	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1
31	Gaspereau: Kings Co.	15	05	15	08	41	49	57	89	0	0	0	0	49	57	89	1	1	17	20
33	Gegogan	1	06	29	08	0														
34	Gerratt	15	06	15	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Gold	1	06	15	08	212	169	198	345	0	0	0	0	169	198	345	21	25	26	30
36	Grand	15	06	15	10	277	258	303	502	0	0	0	0	258	303	502	18	21	86	101
37	Great Village	15	08	31	10	5	2	2	5	0	0	0	0	2	2	5	0	0	1	1
38	Guysborough	24	06	22	09	7	5	6	10	0	0	0	0	5	6	10	0	0	3	4
40	Halfway Brook	24	06	22	09	2	2	2	3	0	0	0	0	2	2	3	0	0	0	0
39	Harrington	15	08	31	10	0														
41	Indian Brook	15	06	15	10	11	2	2	2	0	0	0	0	2	2	2	2	2	13	15
42	Ingonish	15	06	15	10	2	4	5	0	0	0	0	0	4	5	0	5	6	19	22
43	Ingram	1	06	15	08	7	4	5	9	0	0	0	0	4	5	9	0	0	0	0
44	Inhabitants	15	06	31	10	34	37	43	73	0	0	0	0	37	43	73	8	9	171	201

* See variation order.

River		Season dates				Observed	Numbers retained										Numbers released			
		Begin		End			Grilse			Salmon			Unknown	Totals			Grilse		Salmon	
Code	Name	D	M	D	M	No. of anglers	Obs. No.	Estimated No.	kg	Obs. No.	Estimated No.	kg	Obs. No.	Obs. No.	Estimated No.	kg	Obs.	Est.	Obs.	Est.
45	Isaac's Harbour	1/06		29/08		15	26	30	56	0	0	0	0	26	30	56	0	0	5	6
46	Jordan	10/05		15/08		0														
47	Kennetcook	15/08		31/10		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Kirby	1/06		29/08		3	6	7	12	0	0	0	0	6	7	12	0	0	0	0
49	LaHave	1/06		15/08		1049	1294	1518	2686	0	0	0	0	1294	1518	2686	114	134	264	310
50	Larry's	1/06		29/08		0														
51	Lawrencetown Lake	1/06		29/08		0														
52	Lequille	15/08		31/10		0														
53	Liscomb	1/06		29/08		157	116	136	225	0	0	0	0	116	136	225	2	2	19	22
54	Little Bass	15/08		31/10		0														
127	Little Lorraine	15/06		15/10		2	2	2	3	0	0	0	0	2	2	3	0	0	0	0
55	Little Salmon	1/06		29/08		0														
56	Lorraine Brook	15/06		15/10		20	27	32	50	0	0	0	0	27	32	50	1	1	8	9
119	Mabou	1/09		31/10		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Maccan	15/08		31/10		67	29	34	53	0	0	0	0	29	34	53	3	4	1	1
59	Margaree	1/06		15/10		1455	641	752	1317	0	0	0	0	641	752	1317	108	127	1647	1932
60	Marie Joseph	15/06		15/10		11	12	14	22	0	0	0	0	12	14	22	3	4	5	6
57	Martins	10/05		15/08		0														
61	Meander (Avon)	15/08		31/10		0														
62	Medway	10/05		31/07		428	486	570	1078	0	0	0	0	486	570	1078	42	49	166	195
63	Mersey	10/05		15/10		101	90	106	172	0	0	0	0	90	106	172	15	18	24	28
64	Middle: Lunenburg Co	10/05		15/08		2	0	0	0	0	0	0	0	0	0	0	4	5	0	0
65	Middle: Pictou Co.	1/09		31/10		0														
66	Middle: Victoria Co.	15/06		15/10		131	31	36	63	0	0	0	0	31	36	63	11	13	121	142
67	Mira	15/06		15/10		16	19	22	38	0	0	0	0	19	22	38	1	1	11	13
68	Moser	1/06		29/08		148	222	260	464	0	0	0	0	222	260	464	9	11	21	25
69	Mushamush	1/06		15/08		25	20	23	43	0	0	0	0	20	23	43	1	1	2	2
70	Musquodoboit	1/06		26/09		471	225	264	467	0	0	0	0	225	264	467	96	113	232	272
71	Nappan	15/08		31/10		0														
72	Necum Teuch	1/06		29/08		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	New Harbour	1/06		29/08		16	12	14	22	0	0	0	0	12	14	22	0	0	0	0
74	Nictaux	15/08		31/10		0														
75	Nine Mile	10/05		15/08		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	North : Colchester	15/08		31/10		62	75	88	152	0	0	0	0	75	88	152	9	11	13	15
77	North : Victoria Co	1/06		30/09		202	101	118	184	0	0	0	0	101	118	184	14	16	456	535
78	North Aspy	15/06		22/10		21	9	11	17	0	0	0	0	9	11	17	3	4	64	75
120	Northwest Brook (Riv	15/06		15/10		0														
79	Paradise Brook	15/08		31/10		0														
80	Petite Riviere	1/06		31/07		54	97	114	203	0	0	0	0	97	114	203	10	12	23	27
81	Pomquet	1/09		31/10		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Port Dufferin	1/06		29/08		27	32	38	66	0	0	0	0	32	38	66	0	0	1	1
82	Portapique	15/08		31/10		16	11	13	26	0	0	0	0	11	13	26	1	1	2	2
84	Pugwash	1/09		31/10		0														
85	Quoddy	1/06		29/08		4	8	9	17	0	0	0	0	8	9	17	0	0	0	0
121	Ramshead (Ramsey)	15/08		31/10		0														
129	River Bennett	15/06		15/10		0														
122	River Deny's	15/06		15/10		2	8	9	18	0	0	0	0	8	9	18	2	2	5	6
86	River Hebert	15/08		31/10		24	6	7	11	0	0	0	0	6	7	11	0	0	0	0
87	River John	1/09		31/10		47	33	39	67	0	0	0	0	33	39	67	11	13	101	118

* See variation order.

River		Season dates				Observed	Numbers retained										Numbers released			
		Begin		End			Grilse			Salmon			Unknown	Totals			Grilse		Salmon	
Code	Name	D	M	D	M	No. of anglers	Obs. No.	Estimated No.	Estimated kg	Obs. No.	Estimated No.	Estimated kg	Obs. No.	Obs. No.	Estimated No.	Estimated kg	Obs.	Est.	Obs.	Est.
88	River Philip	1/09		31/10		167	126	148	248	0	0	0	0	126	148	248	18	21	280	328
89	River Tillard	15/06		15/10		26	8	9	14	0	0	0	0	8	9	14	1	1	18	21
90	Rocky Run Porters L.	1/06		29/08		0														
91	Roseway	10/05		15/08		0														
92	Round Mill	15/08		31/10		0														
131	Sackville	1/06		29/08		11	9	11	19	0	0	0	0	9	11	19	2	2	2	2
95	Saint Croix	15/08		31/10		9	1	1	1	0	0	0	0	1	1	1	0	0	0	0
93	Saint Esprit	15/06		15/10		6	9	11	17	0	0	0	0	9	11	17	0	0	7	8
94	Saint Francis	24/06		22/09		0														
96	Saint Mary's	18/05		29/08		908	1031	1209	2153	0	0	0	0	1031	1209	2153	196	230	592	694
97	Salmon: Cape Breton	15/06		15/10		70	16	19	36	0	0	0	0	16	19	36	3	4	27	32
98	Salmon: Colchester	15/08		31/10		35	28	33	59	0	0	0	0	28	33	59	5	6	13	15
99	Salmon: Digby Co.	1/06		15/08		63	68	80	151	0	0	0	0	68	80	151	16	19	25	29
100	Salmon: Guysborough	24/06		22/09		131	196	230	417	0	0	0	0	196	230	417	6	7	104	122
101	Salmon: Halifax Co.	1/06		29/08		8	7	8	14	0	0	0	0	7	8	14	0	0	2	2
102	Shinimikas	1/09		31/10		0														
103	Ship Hbr.L.Charlotte	1/06		29/08		38	44	52	92	0	0	0	0	44	52	92	0	0	6	7
104	Shubenacadie	15/08		31/10		69	27	32	56	0	0	0	0	27	32	56	0	0	11	13
105	Sissiboo	10/05		15/08		0														
123	Skye	15/06		15/10		0														
106	South	1/09		31/10		6	1	1	0	0	0	0	0	1	1	0	0	0	0	0
107	Stewiacke	1/08		31/10		524	181	212	361	0	0	0	0	181	212	361	21	25	73	86
126	Sutherland	1/09		31/10		0														
125	Sydney	15/06		15/10		0														
108	Tangier	1/06		29/08		5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Taylor Bay Brook	1/06		29/08		0														
110	Three Fathom Harbour	1/06		29/08		0														
111	Tidnish	1/09		31/10		0														
130	Tracadie	1/09		31/10		0														
112	Tusket	1/06		15/08		150	142	167	304	0	0	0	0	142	167	304	16	19	122	143
113	Wallace	1/09		31/10		81	11	13	23	0	0	0	0	11	13	23	3	4	28	33
114	Waugh	1/09		31/10		21	4	5	9	0	0	0	0	4	5	9	4	5	19	22
117	West Sheet Harbour	1/06		29/08		79	80	94	159	0	0	0	0	80	94	159	1	1	18	21
115	West: Antigonish Co.	1/09		31/10		89	30	35	62	0	0	0	0	30	35	62	27	32	107	126
116	West: Pictou Co.	1/09		31/10		49	20	23	41	0	0	0	0	20	23	41	1	1	37	43
128	Wright	1/09		31/10		0														
Provincial totals:						8561	6851	8036	14102	0	0	0	0	6851	8036	14102	977	1146	5793	6795

* See variation order.

TABLE 20. 1988: Catch by district.

District	Observed No. of anglers	Numbers retained: Grilse Obs. No.	Grilse Estimated No.	Grilse Estimated kg	Salmon Obs. No.	Salmon Estimated No.	Salmon Estimated kg	Unknown Obs. No.	Totals Obs. No.	Totals Estimated No.	Totals Estimated kg	Numbers released: Grilse Obs.	Grilse Est.	Salmon Obs.	Salmon Est.
1	26	13	15	23	0	0	0	0	13	15	23	8	9	87	102
2	1483	642	753	1319	0	0	0	0	642	753	1319	108	127	1684	1975
3	3	8	9	18	0	0	0	0	8	9	18	2	2	5	6
4	445	154	181	298	0	0	0	0	154	181	298	44	52	749	879
6	3	6	7	10	0	0	0	0	6	7	10	0	0	0	0
7	206	135	158	262	0	0	0	0	135	158	262	17	20	105	123
8	356	352	413	686	0	0	0	0	352	413	686	27	32	155	182
9	60	45	53	89	0	0	0	0	45	53	89	9	11	189	222
10	24	4	5	9	0	0	0	0	4	5	9	4	5	20	23
11	96	53	62	108	0	0	0	0	53	62	108	12	14	138	162
12	202	82	96	166	0	0	0	0	82	96	166	29	34	367	430
13	96	31	36	64	0	0	0	0	31	36	64	27	32	107	126
14	139	201	236	427	0	0	0	0	201	236	427	6	7	107	126
15	0														
16	31	38	45	80	0	0	0	0	38	45	80	0	0	5	6
17	1154	1266	1485	2616	0	0	0	0	1266	1485	2616	207	243	634	744
18	0														
19	322	462	542	938	0	0	0	0	462	542	938	50	59	57	67
20	517	276	324	573	0	0	0	0	276	324	573	96	113	240	282
21	11	9	11	19	0	0	0	0	9	11	19	2	2	2	2
22	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	7	4	5	9	0	0	0	0	4	5	9	0	0	0	0
24	97	35	41	64	0	0	0	0	35	41	64	3	4	1	1
25	241	189	222	390	0	0	0	0	189	222	390	27	32	28	33
27	1103	1391	1632	2889	0	0	0	0	1391	1632	2889	124	145	287	337
28	529	576	676	1250	0	0	0	0	576	676	1250	57	67	190	223
30	0														
31	65	98	115	200	0	0	0	0	98	115	200	21	25	39	46
33	150	142	167	304	0	0	0	0	142	167	304	16	19	122	143
35	0														
36	63	68	80	151	0	0	0	0	68	80	151	16	19	25	29
38	0														
39	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	50	50	59	93	0	0	0	0	50	59	93	1	1	18	21
42	603	209	245	419	0	0	0	0	209	245	419	21	25	84	99
43	224	175	205	358	0	0	0	0	175	205	358	22	26	40	47
44	0														
45	167	126	148	248	0	0	0	0	126	148	248	18	21	280	328
46	81	11	13	23	0	0	0	0	11	13	23	3	4	28	33
Provincial totals:	8561	6851	8036	14102	0	0	0	0	6851	8036	14102	977	1146	5793	6795

TABLE 21. 1988: Catch by county.

County		Observed	Numbers retained										Numbers released			
			Grilse			Salmon			Unknown	Totals			Grilse		Salmon	
			Obs.	Estimated		Obs.	Estimated		Obs.	Obs.	Estimated		Obs.	Est.	Obs.	Est.
Code	Name	No. of anglers	No.	No.	kg	No.	No.	kg	No.	No.	No.	kg				
1	Annapolis	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Antigonish	96	31	36	64	0	0	0	0	31	36	64	27	32	107	126
3	Cape Breton	209	141	165	273	0	0	0	0	141	165	273	17	20	105	123
4	Colchester	772	360	422	728	0	0	0	0	360	422	728	47	55	133	156
5	Cumberland	345	172	202	334	0	0	0	0	172	202	334	24	28	309	362
6	Digby	63	68	80	151	0	0	0	0	68	80	151	16	19	25	29
7	Guysborough	1324	1505	1765	3121	0	0	0	0	1505	1765	3121	213	250	746	875
8	Halifax	859	751	881	1537	0	0	0	0	751	881	1537	148	174	299	351
9	Hants	79	28	33	58	0	0	0	0	28	33	58	0	0	11	13
10	Inverness	1486	650	762	1336	0	0	0	0	650	762	1336	110	129	1689	1981
11	Kings	50	50	59	93	0	0	0	0	50	59	93	1	1	18	21
12	Lunenburg	1344	1580	1853	3278	0	0	0	0	1580	1853	3278	151	177	315	369
13	Pictou	298	135	158	274	0	0	0	0	135	158	274	41	48	505	592
14	Queens	529	576	676	1250	0	0	0	0	576	676	1250	57	67	190	223
15	Richmond	416	397	466	775	0	0	0	0	397	466	775	36	42	344	403
16	Shelburne	65	98	115	200	0	0	0	0	98	115	200	21	25	39	46
17	Victoria	471	167	196	322	0	0	0	0	167	196	322	52	61	836	981
18	Yarmouth	150	142	167	304	0	0	0	0	142	167	304	16	19	122	143
Provincial totals:		8561	6851	8036	14102	0	0	0	0	6851	8036	14102	977	1146	5793	6795

TABLE 22. 1988: Catch by salmon fishing area.

Fishing Area		Observed	Numbers retained										Numbers released			
			Grilse			Salmon			Unknown	Totals			Grilse		Salmon	
			Obs.	Estimated		Obs.	Estimated		Obs.	Obs.	Estimated		Obs.	Est.	Obs.	Est.
Code	Name	No. of anglers	No.	No.	kg	No.	No.	kg	No.	No.	No.	kg				
19	Cape Breton East	1098	713	836	1386	0	0	0	0	713	836	1386	107	126	1290	1513
18	Gulf Shore Nova Scotia	2150	949	1113	1937	0	0	0	0	949	1113	1937	201	236	2624	3078
20	Eastern Shore	2174	2252	2641	4648	0	0	0	0	2252	2641	4648	361	423	1045	1226
22	Upper Bay of Fundy	979	469	550	932	0	0	0	0	469	550	932	47	55	143	168
21	South West Nova Scotia	2160	2468	2895	5191	0	0	0	0	2468	2895	5191	261	306	691	811
Provincial totals:		8561	6851	8036	14102	0	0	0	0	6851	8036	14102	977	1146	5793	6795

TABLE 23. 1988: Catch and effort by river.

River Code	River Name	Season dates Begin D	Begin M	End D	End M	Observed No. of anglers	Numbers caught (including releases) Grilse Obs.	Grilse Est.	Salmon Obs.	Salmon Est.	Unknown Obs.	Total Obs.	Total Est.	Effort No. of rod days Obs.	Effort Est.	Catch per effort Fish/day	Percent large salmon
1	Aconi Brook	15/06		15/10		3	6	7	0	0	0	6	7	105	127	0.057	0.0
2	Annapolis	1/05		31/07		5	0	0	0	0	0	0	0	40	48	0.000	0.0
3	Apple	15/08		31/10		6	0	0	0	0	0	0	0	14	17	0.000	0.0
4	Baddeck	15/06		15/10		86	31	36	149	175	0	180	211	366	444	0.492	82.8
5	Barachois	15/06		15/10		15	6	7	10	12	0	16	19	37	45	0.432	62.5
6	Barney's	1/09		31/10		2	1	1	7	8	0	8	9	5	6	1.600	87.5
7	Barrington	10/05		15/08		0											
8	Bass	15/08		31/10		0											
9	Bear	15/08		31/10		0											
10	Broad	10/05		15/08		0											
11	Catalone	15/06		15/10		95	83	97	58	68	0	141	165	926	1123	0.152	41.1
12	Cheticamp	1/09		31/10		28	1	1	37	43	0	38	45	105	127	0.362	97.4
13	Chezzetcook	1/06		29/08		0											
14	Chiganois	15/08		31/10		3	0	0	0	0	0	0	0	19	23	0.000	0.0
15	Clam Harbour	24/06		22/09		1	0	0	0	0	0	0	0	1	1	0.000	0.0
124	Clyburne	15/06		15/10		3	0	0	4	5	0	4	5	15	18	0.267	100.0
16	Clyde	10/05		15/10		65	119	140	39	46	0	158	185	705	855	0.224	24.7
17	Cole Harbour	1/06		29/08		0											
18	Cornwallis	15/08		31/10		9	1	1	1	1	0	2	2	58	70	0.034	50.0
19	Country Harbour	24/06		22/09		19	23	27	13	15	0	36	42	196	238	0.184	36.1
20	Debert	15/08		31/10		37	17	20	4	5	0	21	25	173	210	0.121	19.0
21	Diligent	15/08		31/10		0											
118	East Colchester	15/08		31/10		1	0	0	0	0	0	0	0	1	1	0.000	0.0
22	East: Lunenburg Co.	10/05		15/08		2	1	1	0	0	0	1	1	8	10	0.125	0.0
23	East: Pictou Co.	1/09		31/10		200	110	129	360	422	0	470	551	1072	1300	0.438	76.6
24	East: Sheet Harbour	1/06		29/08		53	152	178	17	20	0	169	198	680	824	0.249	10.1
25	Economy	15/08		31/10		26	8	9	1	1	0	9	11	68	82	0.132	11.1
26	Ecum Secum	1/06		29/08		66	103	121	10	12	0	113	133	598	725	0.189	8.8
27	Folly	15/08		31/10		39	41	48	6	7	0	47	55	193	234	0.244	12.8
28	Framboise	15/06		15/10		62	79	93	57	67	0	136	160	476	577	0.286	41.9
29	French	1/09		31/10		3	0	0	1	1	0	1	1	5	6	0.200	100.0
32	Gaspereau: Brook	1/06		29/08		4	2	2	0	0	0	2	2	21	25	0.095	0.0
30	Gaspereau: C. Breton	15/06		15/10		2	0	0	1	1	0	1	1	6	7	0.167	100.0
31	Gaspereau: Kings Co.	15/05		15/08		41	50	59	17	20	0	67	79	413	501	0.162	25.4
33	Gegogan	1/06		29/08		0											
34	Gerratt	15/06		15/10		1	0	0	0	0	0	0	0	5	6	0.000	0.0
35	Gold	1/06		15/08		212	190	223	26	30	0	216	253	1732	2100	0.125	12.0
36	Grand	15/06		15/10		277	276	324	86	101	0	362	425	2731	3311	0.133	23.8
37	Great Village	15/08		31/10		5	2	2	1	1	0	3	4	16	19	0.188	33.3
38	Guysborough	24/06		22/09		7	5	6	3	4	0	8	9	40	48	0.200	37.5
40	Halfway Brook	24/06		22/09		2	2	2	0	0	0	2	2	6	7	0.333	0.0
39	Harrington	15/08		31/10		0											
41	Indian Brook	15/06		15/10		11	4	5	13	15	0	17	20	33	40	0.515	76.5
42	Ingonish	15/06		15/10		2	9	11	19	22	0	28	33	34	41	0.824	67.9
43	Ingram	1/06		15/08		7	4	5	0	0	0	4	5	32	39	0.125	0.0
44	Inhabitants	15/06		31/10		34	45	53	171	201	0	216	253	290	352	0.745	79.2
45	Isaac's Harbour	1/06		29/08		15	26	30	5	6	0	31	36	154	187	0.201	16.1
46	Jordan	10/05		15/08		0											

* See variation order.

River		Season dates				Observed	Numbers caught (including releases)							Effort		Catch per	Percent
		Begin		End		No. of	Grilse		Salmon		Unknown	Total		No. of rod days		effort	large
Code	Name	D	M	D	M	anglers	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	Obs.	Est.	Fish/day	salmon
47	Kennetcook	15/08		31/10		1	0	0	0	0	0	0	0	3	4	0.000	0.0
48	Kirby	1/06		29/08		3	6	7	0	0	0	6	7	13	16	0.462	0.0
49	LaHave	1/06		15/08		1049	1408	1652	264	310	0	1672	1961	9717	11781	0.172	15.8
50	Larry's	1/06		29/08		0											
51	Lawrencetown Lake	1/06		29/08		0											
52	Lequille	15/08		31/10		0											
53	Liscomb	1/06		29/08		157	118	138	19	22	0	137	161	773	937	0.177	13.9
54	Little Bass	15/08		31/10		0											
127	Little Lorraine	15/06		15/10		2	2	2	0	0	0	2	2	3	4	0.667	0.0
55	Little Salmon	1/06		29/08		0											
56	Lorraine Brook	15/06		15/10		20	28	33	8	9	0	36	42	213	258	0.169	22.2
119	Mabou	1/09		31/10		1	0	0	0	0	0	0	0	4	5	0.000	0.0
58	Maccan	15/08		31/10		67	32	38	1	1	0	33	39	370	449	0.089	3.0
59	Margaree	1/06		15/10		1455	749	879	1647	1932	0	2396	2810	11582	14042	0.207	68.7
60	Marie Joseph	15/06		15/10		11	15	18	5	6	0	20	23	79	96	0.253	25.0
57	Martins	10/05		15/08		0											
61	Meander (Avon)	15/08		31/10		0											
62	Medway	10/05		31/07		428	528	619	166	195	0	694	814	4670	5662	0.149	23.9
63	Mersey	10/05		15/10		101	105	123	24	28	0	129	151	1498	1816	0.086	18.6
64	Middle: Lunenburg Co	10/05		15/08		2	4	5	0	0	0	4	5	7	8	0.571	0.0
65	Middle: Pictou Co.	1/09		31/10		0											
66	Middle: Victoria Co.	15/06		15/10		131	42	49	121	142	0	163	191	591	717	0.276	74.2
67	Mira	15/06		15/10		16	20	23	11	13	0	31	36	121	147	0.256	35.5
68	Moser	1/06		29/08		148	231	271	21	25	0	252	296	1153	1398	0.219	8.3
69	Mushamush	1/06		15/08		25	21	25	2	2	0	23	27	277	336	0.083	8.7
70	Musquodoboit	1/06		26/09		471	321	377	232	272	0	553	649	3536	4287	0.156	42.0
71	Nappan	15/08		31/10		0											
72	Necum Teuch	1/06		29/08		1	0	0	0	0	0	0	0	1	1	0.000	0.0
73	New Harbour	1/06		29/08		16	12	14	0	0	0	12	14	202	245	0.059	0.0
74	Nictaux	15/08		31/10		0											
75	Nine Mile	10/05		15/08		2	0	0	0	0	0	0	0	4	5	0.000	0.0
76	North : Colchester	15/08		31/10		62	84	99	13	15	0	97	114	408	495	0.238	13.4
77	North : Victoria Co	1/06		30/09		202	115	135	456	535	0	571	670	1305	1582	0.438	79.9
78	North Aspy	15/06		22/10		21	12	14	64	75	0	76	89	119	144	0.639	84.2
120	Northwest Brook (Riv	15/06		15/10		0											
79	Paradise Brook	15/08		31/10		0											
80	Petite Riviere	1/06		31/07		54	107	126	23	27	0	130	152	840	1018	0.155	17.7
81	Pomquet	1/09		31/10		1	0	0	0	0	0	0	0	1	1	0.000	0.0
83	Port Dufferin	1/06		29/08		27	32	38	1	1	0	33	39	209	253	0.158	3.0
82	Portapique	15/08		31/10		16	12	14	2	2	0	14	16	41	50	0.341	14.3
84	Pugwash	1/09		31/10		0											
85	Quoddy	1/06		29/08		4	8	9	0	0	0	8	9	28	34	0.286	0.0
121	Ramshead (Ramsey)	15/08		31/10		0											
129	River Bennett	15/06		15/10		0											
122	River Deny's	15/06		15/10		2	10	12	5	6	0	15	18	6	7	2.500	33.3
86	River Hebert	15/08		31/10		24	6	7	0	0	0	6	7	156	189	0.038	0.0
87	River John	1/09		31/10		47	44	52	101	118	0	145	170	211	256	0.687	69.7
88	River Philip	1/09		31/10		167	144	169	280	328	0	424	497	1012	1227	0.419	66.0
89	River Tillard	15/06		15/10		26	9	11	18	21	0	27	32	119	144	0.227	66.7
90	Rocky Run Porters L.	1/06		29/08		0											
91	Roseway	10/05		15/08		0											

* See variation order.

River		Season dates				Observed	Numbers caught (including releases)								Effort		Catch per	Percent
		Begin		End		No. of	Grilse		Salmon		Unknown	Total			No. of rod days		effort	large
Code	Name	D	M	D	M	anglers	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.		Obs.	Est.	Fish/day	salmon
92	Mound Hill	15/08		31/10		0												
131	Sackville	1/06		29/08		11	11	13	2	2	0	13	15		41	50	0.317	15.4
95	Saint Croix	15/08		31/10		9	1	1	0	0	0	1	1		38	46	0.026	0.0
93	Saint Esprit	15/06		15/10		6	9	11	7	8	0	16	19		69	84	0.232	43.8
94	Saint Francis	24/06		22/09		0												
96	Saint Mary's	18/05		29/08		908	1227	1439	592	694	0	1819	2134		6749	8183	0.270	32.5
97	Salmon: Cape Breton	15/06		15/10		70	19	22	27	32	0	46	54		537	651	0.086	58.7
98	Salmon: Colchester	15/08		31/10		35	33	39	13	15	0	46	54		231	280	0.199	28.3
99	Salmon: Digby Co.	1/06		15/08		63	84	99	25	29	0	109	128		554	672	0.197	22.9
100	Salmon: Guysborough	24/06		22/09		131	202	237	104	122	0	306	359		1225	1485	0.250	34.0
101	Salmon: Halifax Co.	1/06		29/08		8	7	8	2	2	0	9	11		72	87	0.125	22.2
102	Shinimikas	1/09		31/10		0												
103	Ship Hbr.L.Charlotte	1/06		29/08		38	44	52	6	7	0	50	59		420	509	0.119	12.0
104	Shubenacadie	15/08		31/10		69	27	32	11	13	0	38	45		383	464	0.099	28.9
105	Sissiboo	10/05		15/08		0												
123	Skye	15/06		15/10		0												
106	South	1/09		31/10		6	1	1	0	0	0	1	1		25	30	0.040	0.0
107	Stewiacke	1/08		31/10		524	202	237	73	86	0	275	323		2739	3321	0.100	26.5
126	Sutherland	1/09		31/10		0												
125	Sydney	15/06		15/10		0												
108	Tangier	1/06		29/08		5	0	0	0	0	0	0	0		13	16	0.000	0.0
109	Taylor Bay Brook	1/06		29/08		0												
110	Three Fathom Harbour	1/06		29/08		0												
111	Tidnish	1/09		31/10		0												
130	Tracadie	1/09		31/10		0												
112	Tusket	1/06		15/08		150	158	185	122	143	0	280	328		1467	1779	0.191	43.6
113	Wallace	1/09		31/10		81	14	16	28	33	0	42	49		243	295	0.173	66.7
114	Waugh	1/09		31/10		21	8	9	19	22	0	27	32		65	79	0.415	70.4
117	West Sheet Harbour	1/06		29/08		79	81	95	18	21	0	99	116		806	977	0.123	18.2
115	West: Antigonish Co.	1/09		31/10		89	57	67	107	126	0	164	192		377	457	0.435	65.2
116	West: Pictou Co.	1/09		31/10		49	21	25	37	43	0	58	68		257	312	0.226	63.8
128	Wright	1/09		31/10		0												
Provincial totals:						8561	7828	9182	5793	6795	0	13621	15977		66962	78544	0.203	42.5

* See variation order.

TABLE 24. 1988: Catch and effort by district.

District	Observed No. of Anglers	Numbers caught (including releases)							Effort		Catch per effort	Percent large
		Grilse		Salmon		Unknown	Total		No. of rod days			
		Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	Obs.	Est.	fish/day	Salmon
1	26	21	25	87	102	0	108	127	168	204	0.643	80.6
2	1483	750	880	1684	1975	0	2434	2855	11687	14170	0.208	69.2
3	3	10	12	5	6	0	15	18	10	12	1.500	33.3
4	445	198	232	749	879	0	947	1111	2332	2827	0.406	79.1
6	3	6	7	0	0	0	6	7	105	127	0.057	0.0
7	206	152	178	105	123	0	257	301	1811	2196	0.142	40.9
8	356	379	445	155	182	0	534	626	3355	4068	0.159	29.0
9	60	54	63	189	222	0	243	285	409	496	0.594	77.8
10	24	8	9	20	23	0	28	33	70	85	0.400	71.4
11	96	65	76	138	162	0	203	238	468	567	0.434	68.0
12	202	111	130	367	430	0	478	561	1077	1306	0.444	76.8
13	96	58	68	107	126	0	165	194	403	489	0.409	64.8
14	139	207	243	107	126	0	314	368	1266	1535	0.248	34.1
15	0											
16	31	38	45	5	6	0	43	50	356	432	0.121	11.6
17	1154	1473	1728	634	744	0	2107	2471	8337	10108	0.253	30.1
18	0											
19	322	512	601	57	67	0	569	667	2909	3527	0.196	10.0
20	517	372	436	240	282	0	612	718	4028	4884	0.152	39.2
21	11	11	13	2	2	0	13	15	41	50	0.317	15.4
22	2	0	0	0	0	0	0	0	4	5	0.000	0.0
23	7	4	5	0	0	0	4	5	32	39	0.125	0.0
24	97	38	45	1	1	0	39	46	540	655	0.072	2.6
25	241	216	253	28	33	0	244	286	2024	2454	0.121	11.5
27	1103	1515	1777	287	337	0	1802	2114	10557	12800	0.171	15.9
28	529	633	742	190	223	0	823	965	6168	7478	0.133	23.1
30	0											
31	65	119	140	39	46	0	158	185	705	855	0.224	24.7
32	0											
33	150	158	185	122	143	0	280	328	1467	1779	0.191	43.6
35	0											
36	63	84	99	25	29	0	109	128	554	672	0.197	22.9
38	0											
39	5	0	0	0	0	0	0	0	40	48	0.000	0.0
41	50	51	60	18	21	0	69	81	471	571	0.146	26.1
42	603	230	270	84	99	0	314	368	3163	3835	0.099	26.8
43	224	197	231	40	47	0	237	278	1150	1394	0.206	16.9
44	0											
45	167	144	169	280	328	0	424	497	1012	1227	0.419	66.0
46	81	14	16	28	33	0	42	49	243	295	0.173	66.7
Provincial totals	8561	7828	9182	5793	6795	0	13621	15977	66962	78544	0.203	42.5

TABLE 25. 1988: Catch and effort by county.

County		Observed No. of	Numbers caught (including releases)							Effort		Catch per effort	Percent large
			Grilse		Salmon		Unknown	Total		No. of rod days			
Code	Name	Anglers	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	Obs.	Est.	fish/day	salmon
1	Annapolis	5	0	0	0	0	0	0	0	40	48	0.000	0.0
2	Antigonish	96	58	68	107	126	0	165	194	403	489	0.409	64.8
3	Cape Breton	209	158	185	105	123	0	263	308	1916	2323	0.137	39.9
4	Colchester	772	407	477	133	156	0	540	633	3959	4800	0.136	24.6
5	Cumberland	345	196	230	309	362	0	505	592	1795	2176	0.281	61.2
6	Digby	63	84	99	25	29	0	109	128	554	672	0.197	22.9
7	Guysborough	1324	1718	2015	746	875	0	2464	2890	9959	12074	0.247	30.3
8	Halifax	859	899	1054	299	351	0	1198	1405	7014	8504	0.171	25.0
9	Hants	79	28	33	11	13	0	39	46	424	514	0.092	28.2
10	Inverness	1486	760	891	1689	1981	0	2449	2873	11697	14182	0.209	69.0
11	Kings	50	51	60	18	21	0	69	81	471	571	0.146	26.1
12	Lunenburg	1344	1731	2030	315	369	0	2046	2400	12581	15253	0.163	15.4
13	Pictou	298	176	206	505	592	0	681	799	1545	1873	0.441	74.2
14	Queens	529	633	742	190	223	0	823	965	6168	7478	0.133	23.1
15	Richmond	416	433	508	344	403	0	777	911	3764	4564	0.206	44.3
16	Shelburne	65	119	140	39	46	0	158	185	705	855	0.224	24.7
17	Victoria	471	219	257	836	981	0	1055	1237	2500	3031	0.422	79.2
18	Yarmouth	150	158	185	122	143	0	280	328	1467	1779	0.191	43.6
Provincial totals:		8561	7828	9182	5793	6795	0	13621	15977	66962	78544	0.203	42.5

TABLE 26. 1988: Catch and effort by salmon fishing area.

Fishing Area		Observed No. of	Numbers caught (including releases)							Effort		Catch per effort	Percent large
			Grilse		Salmon		Unknown	Total		No. of rod days			
Code	Name	Anglers	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	Obs.	Est.	fish/day	salmon
19	Cape Breton East	1098	820	962	1290	1513	0	2110	2475	8186	9925	0.258	61.1
18	Gulf Shore Nova Scotia	2150	1150	1349	2624	3078	0	3774	4427	14964	18143	0.252	69.5
20	Eastern Shore	2174	2613	3065	1045	1226	0	3658	4291	16937	20535	0.216	28.6
22	Upper Bay of Fundy	979	516	605	143	168	0	659	773	5364	6503	0.123	21.7
21	South West Nova Scotia	2160	2729	3201	691	811	0	3420	4012	21511	26080	0.159	20.2
Provincial totals:		8561	7828	9182	5793	6795	0	13621	15977	66962	78544	0.203	42.5

TABLE 27. 1988: Monthly catch by river.

Aconi Brook River code: 1 Season dates: 15/ 6/88 to 15/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July																
8	Aug																
9	Sept																
10	Oct	6	7	0	0	0	6	7	6	54.6	4	1.5	0	0.0	0	0.0	0.0
River total:		6	7	0	0	0	6	7	6	54.6	4	1.5	0	0.0	0	0.0	0.0

Baddeck River code: 4 Season dates: 15/ 6/88 to 15/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July																
8	Aug	1	1	0	0	0	1	1	1	61.0	1	1.8	0	0.0	0	0.0	0.0
9	Sept	4	5	0	0	0	4	5	2	54.6	4	1.8	0	0.0	0	0.0	0.0
10	Oct	11	13	0	0	0	11	13	6	56.3	8	1.9	0	0.0	0	0.0	0.0
River total:		16	19	0	0	0	16	19	9	56.5	13	1.8	0	0.0	0	0.0	0.0

Barachois River code: 5 Season dates: 15/ 6/88 to 15/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July																
8	Aug																
9	Sept	4	5	0	0	0	4	5	4	57.8	4	2.4	0	0.0	0	0.0	0.0
10	Oct																
River total:		4	5	0	0	0	4	5	4	57.8	4	2.4	0	0.0	0	0.0	0.0

Barney's River code: 6 Season dates: 1/ 9/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
9	Sept																
10	Oct	1	1	0	0	0	1	1	1	58.4	1	1.6	0	0.0	0	0.0	0.0
River total:		1	1	0	0	0	1	1	1	58.4	1	1.6	0	0.0	0	0.0	0.0

Catalone River code: 11 Season dates: 15/ 6/88 to 15/10/88.

Month		Number of fish							Grilse				Salmon				Percent large
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	salmon
6	June																
7	July	16	19	0	0	0	16	19	11	54.6	14	1.5	0	0.0	0	0.0	0.0
8	Aug	16	19	0	0	0	16	19	14	53.9	14	1.5	0	0.0	0	0.0	0.0
9	Sept	23	27	0	0	0	23	27	18	55.2	20	1.7	0	0.0	0	0.0	0.0
10	Oct	16	19	0	0	0	16	19	15	56.8	12	1.8	0	0.0	0	0.0	0.0
River total:		71	83	0	0	0	71	83	58	55.2	60	1.6	0	0.0	0	0.0	0.0

Cheticamp River code: 12 Season dates: 1/ 9/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	salmon
9	Sept	1	1	0	0	0	1	1	1	58.4	1	1.8	0	0.0	0	0.0	0.0
10	Oct																
River total:		1	1	0	0	0	1	1	1	58.4	1	1.8	0	0.0	0	0.0	0.0

Clyde River code: 16 Season dates: 10/ 5/88 to 15/10/88.

Month		Number of fish							Grilse				Salmon				Percent large
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	salmon
5	May	1	1	0	0	0	1	1	1	57.1	0	0.0	0	0.0	0	0.0	0.0
6	June	17	20	0	0	0	17	20	17	58.6	14	1.9	0	0.0	0	0.0	0.0
7	July	41	48	0	0	0	41	48	40	57.6	29	1.7	0	0.0	0	0.0	0.0
8	Aug	28	33	0	0	0	28	33	28	57.7	27	1.6	0	0.0	0	0.0	0.0
9	Sept	11	13	0	0	0	11	13	11	57.7	11	1.8	0	0.0	0	0.0	0.0
10	Oct																
River total:		98	115	0	0	0	98	115	97	57.8	81	1.7	0	0.0	0	0.0	0.0

Cornwallis River code: 18 Season dates: 15/ 8/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	salmon
8	Aug																
9	Sept	1	1	0	0	0	1	1	1	60.2	1	2.3	0	0.0	0	0.0	0.0
10	Oct																
River total:		1	1	0	0	0	1	1	1	60.2	1	2.3	0	0.0	0	0.0	0.0

Country Harbour River code: 19 Season dates: 24/ 6/88 to 22/ 9/88.

Month		Number of fish							Grilse				Salmon				Percent large
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	salmon
6	June																
7	July	7	8	0	0	0	7	8	5	55.9	7	1.9	0	0.0	0	0.0	0.0
8	Aug	4	5	0	0	0	4	5	4	53.3	4	1.7	0	0.0	0	0.0	0.0
9	Sept	9	11	0	0	0	9	11	5	54.8	9	1.6	0	0.0	0	0.0	0.0
River total:		20	23	0	0	0	20	23	14	54.8	20	1.7	0	0.0	0	0.0	0.0

Debert River code: 20 Season dates: 15/ 8/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
8	Aug																
9	Sept	3	4	0	0	0	3	4	3	58.7	3	1.4	0	0.0	0	0.0	0.0
10	Oct	14	16	0	0	0	14	16	14	55.6	12	1.6	0	0.0	0	0.0	0.0
River total:		17	20	0	0	0	17	20	17	56.2	15	1.5	0	0.0	0	0.0	0.0

East: Pictou Co. River code: 23 Season dates: 1/ 9/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
9	Sept	7	8	0	0	0	7	8	5	57.1	6	1.8	0	0.0	0	0.0	0.0
10	Oct	74	87	0	0	0	74	87	58	55.8	69	1.7	0	0.0	0	0.0	0.0
River total:		81	95	0	0	0	81	95	63	55.9	75	1.7	0	0.0	0	0.0	0.0

East: Sheet Harbour River code: 24 Season dates: 1/ 6/88 to 29/ 8/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June	16	19	0	0	0	16	19	16	53.0	16	1.6	0	0.0	0	0.0	0.0
7	July	74	87	0	0	0	74	87	62	54.8	66	1.6	0	0.0	0	0.0	0.0
8	Aug	22	26	0	0	0	22	26	15	54.7	19	1.8	0	0.0	0	0.0	0.0
River total:		112	131	0	0	0	112	131	93	54.5	101	1.6	0	0.0	0	0.0	0.0

Economy River code: 25 Season dates: 15/ 8/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
8	Aug																
9	Sept																
10	Oct	8	9	0	0	0	8	9	8	55.9	7	1.6	0	0.0	0	0.0	0.0
River total:		8	9	0	0	0	8	9	8	55.9	7	1.6	0	0.0	0	0.0	0.0

Ecum Secum River code: 26 Season dates: 1/ 6/88 to 29/ 8/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June	23	27	0	0	0	23	27	23	54.9	23	1.6	0	0.0	0	0.0	0.0
7	July	63	74	0	0	0	63	74	62	55.4	63	1.7	0	0.0	0	0.0	0.0
8	Aug	11	13	0	0	0	11	13	11	54.8	11	1.7	0	0.0	0	0.0	0.0
River total:		97	114	0	0	0	97	114	96	55.2	97	1.7	0	0.0	0	0.0	0.0

Folly River code: 27 Season dates: 15/ 8/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
8	Aug	1	1	0	0	0	1	1	1	55.1	1	1.8	0	0.0	0	0.0	0.0
9	Sept	6	7	0	0	0	6	7	6	55.1	6	1.5	0	0.0	0	0.0	0.0
10	Oct	27	32	0	0	0	27	32	25	56.4	15	1.8	0	0.0	0	0.0	0.0
River total:		34	40	0	0	0	34	40	32	56.1	22	1.8	0	0.0	0	0.0	0.0

Framboise River code: 28 Season dates: 15/ 6/88 to 15/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June	8	9	0	0	0	8	9	6	55.1	8	1.6	0	0.0	0	0.0	0.0
7	July	45	53	0	0	0	45	53	36	55.6	42	1.7	0	0.0	0	0.0	0.0
8	Aug	12	14	0	0	0	12	14	11	57.4	8	1.7	0	0.0	0	0.0	0.0
9	Sept	4	5	0	0	0	4	5	2	57.8	4	1.9	0	0.0	0	0.0	0.0
10	Oct	4	5	0	0	0	4	5	4	55.2	4	1.8	0	0.0	0	0.0	0.0
River total:		73	86	0	0	0	73	86	59	55.9	66	1.7	0	0.0	0	0.0	0.0

Gaspereau: Brook River code: 32 Season dates: 1/ 6/88 to 29/ 8/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July	2	2	0	0	0	2	2	2	58.2	2	1.9	0	0.0	0	0.0	0.0
8	Aug																
River total:		2	2	0	0	0	2	2	2	58.2	2	1.9	0	0.0	0	0.0	0.0

Gaspereau: Kings Co. River code: 31 Season dates: 15/ 5/88 to 15/ 8/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
5	May																
6	June	21	25	0	0	0	21	25	19	54.0	21	1.6	0	0.0	0	0.0	0.0
7	July	27	32	0	0	0	27	32	23	53.4	27	1.6	0	0.0	0	0.0	0.0
8	Aug	1	1	0	0	0	1	1	1	54.6	1	1.4	0	0.0	0	0.0	0.0
River total:		49	57	0	0	0	49	57	43	53.7	49	1.6	0	0.0	0	0.0	0.0

Gold River code: 35 Season dates: 1/ 6/88 to 15/ 8/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June	38	45	0	0	0	38	45	35	55.8	38	1.8	0	0.0	0	0.0	0.0
7	July	129	151	0	0	0	129	151	102	56.6	123	1.7	0	0.0	0	0.0	0.0
8	Aug	2	2	0	0	0	2	2	2	54.6	2	1.5	0	0.0	0	0.0	0.0
River total:		169	198	0	0	0	169	198	139	56.4	163	1.7	0	0.0	0	0.0	0.0

Grand River code: 36 Season dates: 15/ 6/88 to 15/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June	42	49	0	0	0	42	49	33	55.6	40	1.5	0	0.0	0	0.0	0.0
7	July	139	163	0	0	0	139	163	94	56.4	135	1.7	0	0.0	0	0.0	0.0
8	Aug	40	47	0	0	0	40	47	25	56.0	37	1.7	0	0.0	0	0.0	0.0
9	Sept	24	28	0	0	0	24	28	19	54.3	19	1.6	0	0.0	0	0.0	0.0
10	Oct	13	15	0	0	0	13	15	10	55.2	11	1.7	0	0.0	0	0.0	0.0
River total:		258	303	0	0	0	258	303	181	55.9	242	1.7	0	0.0	0	0.0	0.0

Great Village River code: 37 Season dates: 15/ 8/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
8	Aug																
9	Sept																
10	Oct	2	2	0	0	0	2	2	1	61.0	2	2.3	0	0.0	0	0.0	0.0
River total:		2	2	0	0	0	2	2	1	61.0	2	2.3	0	0.0	0	0.0	0.0

Guysborough River code: 38 Season dates: 24/ 6/88 to 22/ 9/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July	3	4	0	0	0	3	4	3	56.3	2	1.6	0	0.0	0	0.0	0.0
8	Aug	1	1	0	0	0	1	1	1	57.9	1	1.6	0	0.0	0	0.0	0.0
9	Sept	1	1	0	0	0	1	1	1	50.8	1	1.8	0	0.0	0	0.0	0.0
River total:		5	6	0	0	0	5	6	5	55.5	4	1.6	0	0.0	0	0.0	0.0

Halfway Brook River code: 40 Season dates: 24/ 6/88 to 22/ 9/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July	2	2	0	0	0	2	2	2	49.5	2	1.7	0	0.0	0	0.0	0.0
8	Aug																
9	Sept																
River total:		2	2	0	0	0	2	2	2	49.5	2	1.7	0	0.0	0	0.0	0.0

Indian Brook River code: 41 Season dates: 15/ 6/88 to 15/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July																
8	Aug	1	1	0	0	0	1	1	0	0.0	1	1.1	0	0.0	0	0.0	0.0
9	Sept																
10	Oct	1	1	0	0	0	1	1	1	61.0	0	0.0	0	0.0	0	0.0	0.0
River total:		2	2	0	0	0	2	2	1	61.0	1	1.1	0	0.0	0	0.0	0.0

Ingonish River code: 42 Season dates: 15/ 6/88 to 15/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July																
8	Aug																
9	Sept																
10	Oct	4	5	0	0	0	4	5	4	53.5	0	0.0	0	0.0	0	0.0	0.0
River total:		4	5	0	0	0	4	5	4	53.5	0	0.0	0	0.0	0	0.0	0.0

Ingram River code: 43 Season dates: 1/ 6/88 to 15/ 8/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July	3	4	0	0	0	3	4	0	0.0	3	1.7	0	0.0	0	0.0	0.0
8	Aug	1	1	0	0	0	1	1	0	0.0	1	2.0	0	0.0	0	0.0	0.0
River total:		4	5	0	0	0	4	5	0	0.0	4	1.8	0	0.0	0	0.0	0.0

Inhabitants River code: 44 Season dates: 15/ 6/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July																
8	Aug	2	2	0	0	0	2	2	2	57.1	2	1.7	0	0.0	0	0.0	0.0
9	Sept	20	23	0	0	0	20	23	20	56.3	14	1.7	0	0.0	0	0.0	0.0
10	Oct	15	18	0	0	0	15	18	15	56.3	10	1.7	0	0.0	0	0.0	0.0
River total:		37	43	0	0	0	37	43	37	56.3	26	1.7	0	0.0	0	0.0	0.0

Isaac's Harbour River code: 45 Season dates: 1/ 6/88 to 29/ 8/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June	4	5	0	0	0	4	5	4	50.8	4	1.2	0	0.0	0	0.0	0.0
7	July	22	26	0	0	0	22	26	21	55.1	22	2.0	0	0.0	0	0.0	0.0
8	Aug																
River total:		26	30	0	0	0	26	30	25	54.4	26	1.9	0	0.0	0	0.0	0.0

Kirby River code: 48 Season dates: 1/ 6/88 to 29/ 8/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July	6	7	0	0	0	6	7	1	55.9	6	1.7	0	0.0	0	0.0	0.0
8	Aug																
River total:		6	7	0	0	0	6	7	1	55.9	6	1.7	0	0.0	0	0.0	0.0

LaHave River code: 49 Season dates: 1/ 6/88 to 15/ 8/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June	334	392	0	0	0	334	392	288	56.2	314	1.8	0	0.0	0	0.0	0.0
7	July	841	986	0	0	0	841	986	752	56.3	783	1.8	0	0.0	0	0.0	0.0
8	Aug	119	140	0	0	0	119	140	109	56.8	110	1.8	0	0.0	0	0.0	0.0
River total:		1294	1518	0	0	0	1294	1518	1149	56.4	1207	1.8	0	0.0	0	0.0	0.0

Liscomb River code: 53 Season dates: 1/ 6/88 to 29/ 8/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June	23	27	0	0	0	23	27	22	53.8	23	1.5	0	0.0	0	0.0	0.0
7	July	81	95	0	0	0	81	95	63	54.7	76	1.7	0	0.0	0	0.0	0.0
8	Aug	12	14	0	0	0	12	14	8	55.6	12	1.7	0	0.0	0	0.0	0.0
River total:		116	136	0	0	0	116	136	93	54.5	111	1.7	0	0.0	0	0.0	0.0

Little Lorraine River code: 127 Season dates: 15/ 6/88 to 15/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July																
8	Aug																
9	Sept																
10	Oct	2	2	0	0	0	2	2	2	57.7	2	1.4	0	0.0	0	0.0	0.0
River total:		2	2	0	0	0	2	2	2	57.7	2	1.4	0	0.0	0	0.0	0.0

Lorraine Brook River code: 56 Season dates: 15/ 6/88 to 15/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July	11	13	0	0	0	11	13	11	53.2	11	1.7	0	0.0	0	0.0	0.0
8	Aug	4	5	0	0	0	4	5	4	54.7	4	1.4	0	0.0	0	0.0	0.0
9	Sept	8	9	0	0	0	8	9	8	54.6	8	1.5	0	0.0	0	0.0	0.0
10	Oct	4	5	0	0	0	4	5	4	53.0	4	1.5	0	0.0	0	0.0	0.0
River total:		27	32	0	0	0	27	32	27	53.8	27	1.6	0	0.0	0	0.0	0.0

Maccan River code: 58 Season dates: 15/ 8/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
8	Aug	7	8	0	0	0	7	8	7	56.1	7	1.5	0	0.0	0	0.0	0.0
9	Sept	2	2	0	0	0	2	2	2	61.0	2	1.9	0	0.0	0	0.0	0.0
10	Oct	20	23	0	0	0	20	23	18	54.8	20	1.5	0	0.0	0	0.0	0.0
River total:		29	34	0	0	0	29	34	27	55.6	29	1.5	0	0.0	0	0.0	0.0

Margaree River code: 59 Season dates: 1/ 6/88 to 15/10/88.

Month		Number of fish: Grilse Obs.	Grilse Est.	Salmon Obs.	Salmon Est.	Unknown Obs.	Total Obs.	Total Est.	Grilse: Length No.	Grilse: Length Mean	Grilse: Weight No.	Grilse: Weight Mean	Salmon: Length No.	Salmon: Length Mean	Salmon: Weight No.	Salmon: Weight Mean	Percent large salmon
No.	Name																
6	June	42	49	0	0	0	42	49	31	56.5	41	1.8	0	0.0	0	0.0	0.0
7	July	158	185	0	0	0	158	185	120	56.4	145	1.8	0	0.0	0	0.0	0.0
8	Aug	188	221	0	0	0	188	221	147	56.7	178	1.7	0	0.0	0	0.0	0.0
9	Sept	183	215	0	0	0	183	215	141	56.6	167	1.7	0	0.0	0	0.0	0.0
10	Oct	70	82	0	0	0	70	82	58	57.3	64	1.8	0	0.0	0	0.0	0.0
River total:		641	752	0	0	0	641	752	497	56.7	595	1.8	0	0.0	0	0.0	0.0

Marie Joseph River code: 60 Season dates: 15/ 6/88 to 15/10/88.

Month		Number of fish: Grilse Obs.	Grilse Est.	Salmon Obs.	Salmon Est.	Unknown Obs.	Total Obs.	Total Est.	Grilse: Length No.	Grilse: Length Mean	Grilse: Weight No.	Grilse: Weight Mean	Salmon: Length No.	Salmon: Length Mean	Salmon: Weight No.	Salmon: Weight Mean	Percent large salmon
No.	Name																
6	June	1	1	0	0	0	1	1	1	57.1	1	1.8	0	0.0	0	0.0	0.0
7	July	8	9	0	0	0	8	9	8	56.3	8	1.5	0	0.0	0	0.0	0.0
8	Aug	2	2	0	0	0	2	2	2	58.4	2	1.8	0	0.0	0	0.0	0.0
9	Sept	1	1	0	0	0	1	1	1	48.3	1	1.4	0	0.0	0	0.0	0.0
10	Oct																
River total:		12	14	0	0	0	12	14	12	56.0	12	1.6	0	0.0	0	0.0	0.0

Medway River code: 62 Season dates: 10/ 5/88 to 31/ 7/88.

Month		Number of fish: Grilse Obs.	Grilse Est.	Salmon Obs.	Salmon Est.	Unknown Obs.	Total Obs.	Total Est.	Grilse: Length No.	Grilse: Length Mean	Grilse: Weight No.	Grilse: Weight Mean	Salmon: Length No.	Salmon: Length Mean	Salmon: Weight No.	Salmon: Weight Mean	Percent large salmon
No.	Name																
5	May	2	2	0	0	0	2	2	2	55.9	2	1.9	0	0.0	0	0.0	0.0
6	June	290	340	0	0	0	290	340	257	56.9	273	1.9	0	0.0	0	0.0	0.0
7	July	194	228	0	0	0	194	228	157	56.5	181	1.9	0	0.0	0	0.0	0.0
River total:		486	570	0	0	0	486	570	416	56.8	456	1.9	0	0.0	0	0.0	0.0

Mersey River code: 63 Season dates: 10/ 5/88 to 15/10/88.

Month		Number of fish: Grilse Obs.	Grilse Est.	Salmon Obs.	Salmon Est.	Unknown Obs.	Total Obs.	Total Est.	Grilse: Length No.	Grilse: Length Mean	Grilse: Weight No.	Grilse: Weight Mean	Salmon: Length No.	Salmon: Length Mean	Salmon: Weight No.	Salmon: Weight Mean	Percent large salmon
No.	Name																
5	May																
6	June	22	26	0	0	0	22	26	22	54.5	22	1.6	0	0.0	0	0.0	0.0
7	July	36	42	0	0	0	36	42	36	55.2	33	1.7	0	0.0	0	0.0	0.0
8	Aug	18	21	0	0	0	18	21	18	55.2	18	1.7	0	0.0	0	0.0	0.0
9	Sept	6	7	0	0	0	6	7	6	52.5	3	1.3	0	0.0	0	0.0	0.0
10	Oct	8	9	0	0	0	8	9	8	53.7	7	1.5	0	0.0	0	0.0	0.0
River total:		90	106	0	0	0	90	106	90	54.7	83	1.6	0	0.0	0	0.0	0.0

Middle: Victoria Co. River code: 66 Season dates: 15/ 6/88 to 15/10/88.

Month		Number of fish: Grilse Obs.	Grilse Est.	Salmon Obs.	Salmon Est.	Unknown Obs.	Total Obs.	Total Est.	Grilse: Length No.	Grilse: Length Mean	Grilse: Weight No.	Grilse: Weight Mean	Salmon: Length No.	Salmon: Length Mean	Salmon: Weight No.	Salmon: Weight Mean	Percent large salmon
No.	Name																
6	June	1	1	0	0	0	1	1	1	59.7	1	2.5	0	0.0	0	0.0	0.0
7	July																
8	Aug	2	2	0	0	0	2	2	1	50.8	2	1.7	0	0.0	0	0.0	0.0
9	Sept	7	8	0	0	0	7	8	6	57.6	7	1.6	0	0.0	0	0.0	0.0
10	Oct	21	25	0	0	0	21	25	19	57.8	19	1.8	0	0.0	0	0.0	0.0
River total:		31	36	0	0	0	31	36	27	57.6	29	1.7	0	0.0	0	0.0	0.0

Mira River code: 67 Season dates: 15/ 6/88 to 15/10/88.

Month		Number of fish: Grilse		Salmon		Unknown	Total		Grilse: Length		Grilse: Weight		Salmon: Length		Salmon: Weight		Percent large
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	salmon
6	June	2	2	0	0	0	2	2	0	0.0	2	1.6	0	0.0	0	0.0	0.0
7	July	3	4	0	0	0	3	4	0	0.0	3	1.7	0	0.0	0	0.0	0.0
8	Aug	8	9	0	0	0	8	9	5	50.9	5	1.7	0	0.0	0	0.0	0.0
9	Sept	4	5	0	0	0	4	5	2	58.4	4	1.5	0	0.0	0	0.0	0.0
10	Oct	2	2	0	0	0	2	2	0	0.0	2	2.3	0	0.0	0	0.0	0.0
River total:		19	22	0	0	0	19	22	7	53.0	16	1.7	0	0.0	0	0.0	0.0

Moser River code: 68 Season dates: 1/ 6/88 to 29/ 8/88.

Month		Number of fish: Grilse		Salmon		Unknown	Total		Grilse: Length		Grilse: Weight		Salmon: Length		Salmon: Weight		Percent large
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	salmon
6	June	47	55	0	0	0	47	55	37	54.4	45	1.8	0	0.0	0	0.0	0.0
7	July	144	169	0	0	0	144	169	124	55.1	143	1.8	0	0.0	0	0.0	0.0
8	Aug	31	36	0	0	0	31	36	25	54.8	30	1.8	0	0.0	0	0.0	0.0
River total:		222	260	0	0	0	222	260	186	54.9	218	1.8	0	0.0	0	0.0	0.0

Mushamush River code: 69 Season dates: 1/ 6/88 to 15/ 8/88.

Month		Number of fish: Grilse		Salmon		Unknown	Total		Grilse: Length		Grilse: Weight		Salmon: Length		Salmon: Weight		Percent large
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	salmon
6	June	5	6	0	0	0	5	6	5	58.0	5	2.2	0	0.0	0	0.0	0.0
7	July	14	16	0	0	0	14	16	12	55.1	14	1.8	0	0.0	0	0.0	0.0
8	Aug	1	1	0	0	0	1	1	1	55.9	1	1.8	0	0.0	0	0.0	0.0
River total:		20	23	0	0	0	20	23	18	56.0	20	1.9	0	0.0	0	0.0	0.0

Musquodoboit River code: 70 Season dates: 1/ 6/88 to 26/ 9/88.

Month		Number of fish: Grilse		Salmon		Unknown	Total		Grilse: Length		Grilse: Weight		Salmon: Length		Salmon: Weight		Percent large
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	salmon
6	June	37	43	0	0	0	37	43	36	56.9	36	1.9	0	0.0	0	0.0	0.0
7	July	99	116	0	0	0	99	116	84	55.9	92	1.7	0	0.0	0	0.0	0.0
8	Aug	43	50	0	0	0	43	50	40	56.2	42	1.7	0	0.0	0	0.0	0.0
9	Sept	46	54	0	0	0	46	54	44	57.1	44	1.8	0	0.0	0	0.0	0.0
River total:		225	264	0	0	0	225	264	204	56.4	214	1.8	0	0.0	0	0.0	0.0

New Harbour River code: 73 Season dates: 1/ 6/88 to 29/ 8/88.

Month		Number of fish: Grilse		Salmon		Unknown	Total		Grilse: Length		Grilse: Weight		Salmon: Length		Salmon: Weight		Percent large
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	salmon
6	June																
7	July	7	8	0	0	0	7	8	7	54.6	7	1.5	0	0.0	0	0.0	0.0
8	Aug	5	6	0	0	0	5	6	5	54.1	5	1.7	0	0.0	0	0.0	0.0
River total:		12	14	0	0	0	12	14	12	54.4	12	1.6	0	0.0	0	0.0	0.0

North : Colchester River code: 76 Season dates: 15/ 8/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
8	Aug																
9	Sept	3	4	0	0	0	3	4	3	59.7	3	2.0	0	0.0	0	0.0	0.0
10	Oct	72	84	0	0	0	72	84	72	55.8	69	1.7	0	0.0	0	0.0	0.0
River total:		75	88	0	0	0	75	88	75	56.0	72	1.7	0	0.0	0	0.0	0.0

North : Victoria Co River code: 77 Season dates: 1/ 6/88 to 30/ 9/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June	15	18	0	0	0	15	18	10	54.0	15	1.5	0	0.0	0	0.0	0.0
7	July	40	47	0	0	0	40	47	27	52.5	38	1.6	0	0.0	0	0.0	0.0
8	Aug	21	25	0	0	0	21	25	18	54.7	20	1.6	0	0.0	0	0.0	0.0
9	Sept	25	29	0	0	0	25	29	23	55.5	17	1.6	0	0.0	0	0.0	0.0
River total:		101	118	0	0	0	101	118	78	54.1	90	1.6	0	0.0	0	0.0	0.0

North Aspy River code: 78 Season dates: 15/ 6/88 to 22/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July																
8	Aug																
9	Sept																
10	Oct	9	11	0	0	0	9	11	8	54.4	9	1.5	0	0.0	0	0.0	0.0
River total:		9	11	0	0	0	9	11	8	54.4	9	1.5	0	0.0	0	0.0	0.0

Petite Riviere River code: 80 Season dates: 1/ 6/88 to 31/ 7/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June	30	35	0	0	0	30	35	28	53.8	24	1.7	0	0.0	0	0.0	0.0
7	July	67	79	0	0	0	67	79	63	56.2	67	1.8	0	0.0	0	0.0	0.0
River total:		97	114	0	0	0	97	114	91	55.5	91	1.8	0	0.0	0	0.0	0.0

Port Dufferin River code: 83 Season dates: 1/ 6/88 to 29/ 8/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June	2	2	0	0	0	2	2	2	59.1	2	1.7	0	0.0	0	0.0	0.0
7	July	15	18	0	0	0	15	18	11	53.7	15	1.7	0	0.0	0	0.0	0.0
8	Aug	15	18	0	0	0	15	18	12	57.1	14	1.8	0	0.0	0	0.0	0.0
River total:		32	38	0	0	0	32	38	25	55.8	31	1.7	0	0.0	0	0.0	0.0

Portapique River code: 82 Season dates: 15/ 8/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
8	Aug																
9	Sept																
10	Oct	11	13	0	0	0	11	13	8	55.1	11	2.0	0	0.0	0	0.0	0.0
River total:		11	13	0	0	0	11	13	8	55.1	11	2.0	0	0.0	0	0.0	0.0

Quoddy River code: 85 Season dates: 1/ 6/88 to 29/ 8/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June	4	5	0	0	0	4	5	2	56.9	4	2.0	0	0.0	0	0.0	0.0
7	July	4	5	0	0	0	4	5	2	54.6	4	1.7	0	0.0	0	0.0	0.0
8	Aug																
River total:		8	9	0	0	0	8	9	4	55.8	8	1.9	0	0.0	0	0.0	0.0

River Deny's River code: 122 Season dates: 15/ 6/88 to 15/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July																
8	Aug																
9	Sept	4	5	0	0	0	4	5	4	54.6	4	2.0	0	0.0	0	0.0	0.0
10	Oct	4	5	0	0	0	4	5	4	56.8	0	0.0	0	0.0	0	0.0	0.0
River total:		8	9	0	0	0	8	9	8	55.7	4	2.0	0	0.0	0	0.0	0.0

River Hebert River code: 86 Season dates: 15/ 8/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
8	Aug	1	1	0	0	0	1	1	1	48.0	1	0.9	0	0.0	0	0.0	0.0
9	Sept																
10	Oct	5	6	0	0	0	5	6	5	57.1	5	1.7	0	0.0	0	0.0	0.0
River total:		6	7	0	0	0	6	7	6	55.6	6	1.6	0	0.0	0	0.0	0.0

River John River code: 87 Season dates: 1/ 9/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
9	Sept																
10	Oct	33	39	0	0	0	33	39	31	58.3	32	1.7	0	0.0	0	0.0	0.0
River total:		33	39	0	0	0	33	39	31	58.3	32	1.7	0	0.0	0	0.0	0.0

River Philip River code: 88 Season dates: 1/ 9/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
9	Sept	5	6	0	0	0	5	6	5	56.9	4	1.8	0	0.0	0	0.0	0.0
10	Oct	121	142	0	0	0	121	142	104	57.7	108	1.7	0	0.0	0	0.0	0.0
River total:		126	148	0	0	0	126	148	109	57.6	112	1.7	0	0.0	0	0.0	0.0

River Tillard River code: 89 Season dates: 15/ 6/88 to 15/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July	2	2	0	0	0	2	2	2	55.2	2	1.5	0	0.0	0	0.0	0.0
8	Aug	1	1	0	0	0	1	1	1	59.9	1	1.7	0	0.0	0	0.0	0.0
9	Sept	4	5	0	0	0	4	5	2	57.1	4	1.7	0	0.0	0	0.0	0.0
10	Oct	1	1	0	0	0	1	1	1	50.8	1	1.0	0	0.0	0	0.0	0.0
River total:		8	9	0	0	0	8	9	6	55.9	8	1.6	0	0.0	0	0.0	0.0

Sackville River code: 131 Season dates: 1/ 6/88 to 29/ 8/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July	7	8	0	0	0	7	8	7	57.2	7	1.7	0	0.0	0	0.0	0.0
8	Aug	2	2	0	0	0	2	2	2	55.2	2	1.8	0	0.0	0	0.0	0.0
River total:		9	11	0	0	0	9	11	9	56.8	9	1.7	0	0.0	0	0.0	0.0

Saint Croix River code: 95 Season dates: 15/ 8/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
8	Aug																
9	Sept	1	1	0	0	0	1	1	1	49.5	1	1.5	0	0.0	0	0.0	0.0
10	Oct																
River total:		1	1	0	0	0	1	1	1	49.5	1	1.5	0	0.0	0	0.0	0.0

Saint Esprit River code: 93 Season dates: 15/ 6/88 to 15/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July	3	4	0	0	0	3	4	3	50.8	3	1.5	0	0.0	0	0.0	0.0
8	Aug	4	5	0	0	0	4	5	4	54.6	3	1.5	0	0.0	0	0.0	0.0
9	Sept	2	2	0	0	0	2	2	2	58.4	2	1.8	0	0.0	0	0.0	0.0
10	Oct																
River total:		9	11	0	0	0	9	11	9	54.2	8	1.6	0	0.0	0	C.0	0.0

Saint Mary's River code: 96 Season dates: 18/ 5/88 to 29/ 8/88.

Month		Number of fish						Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total	Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs. Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
5	May	3	4	0	0	0	3 4	1	50.8	3	2.0	0	0.0	0	0.0	0.0
6	June	133	156	0	0	0	133 156	105	56.2	122	1.8	0	0.0	0	0.0	0.0
7	July	753	883	0	0	0	753 883	552	56.0	717	1.8	0	0.0	0	0.0	0.0
8	Aug	142	167	0	0	0	142 167	107	55.9	134	1.8	0	0.0	0	0.0	0.0
River total:		1031	1209	0	0	0	1031 1209	765	56.0	976	1.8	0	0.0	0	0.0	0.0

Salmon: Cape Breton River code: 97 Season dates: 15/ 6/88 to 15/10/88.

Month		Number of fish						Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total	Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs. Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June															
7	July	2	2	0	0	0	2 2	2	59.7	2	1.9	0	0.0	0	0.0	0.0
8	Aug	3	4	0	0	0	3 4	3	54.7	2	1.8	0	0.0	0	0.0	0.0
9	Sept	7	8	0	0	0	7 8	4	47.6	6	1.8	0	0.0	0	0.0	0.0
10	Oct	4	5	0	0	0	4 5	2	60.5	3	2.1	0	0.0	0	0.0	0.0
River total:		16	19	0	0	0	16 19	11	54.1	13	1.9	0	0.0	0	0.0	0.0

Salmon: Colchester River code: 98 Season dates: 15/ 8/88 to 31/10/88.

Month		Number of fish						Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total	Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs. Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
8	Aug															
9	Sept	1	1	0	0	0	1 1	1	55.9	1	1.8	0	0.0	0	0.0	0.0
10	Oct	27	32	0	0	0	27 32	26	57.2	26	1.8	0	0.0	0	0.0	0.0
River total:		28	33	0	0	0	28 33	27	57.2	27	1.8	0	0.0	0	0.0	0.0

Salmon: Digby Co. River code: 99 Season dates: 1/ 6/88 to 15/ 8/88.

Month		Number of fish						Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total	Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs. Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June	15	18	0	0	0	15 18	15	56.4	14	1.8	0	0.0	0	0.0	0.0
7	July	43	50	0	0	0	43 50	37	58.4	42	1.9	0	0.0	0	0.0	0.0
8	Aug	10	12	0	0	0	10 12	8	59.7	9	2.0	0	0.0	0	0.0	0.0
River total:		68	80	0	0	0	68 80	60	58.0	65	1.9	0	0.0	0	0.0	0.0

Salmon: Guysborough River code: 100 Season dates: 24/ 6/88 to 22/ 9/88.

Month		Number of fish						Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total	Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs. Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June	2	2	0	0	0	2 2	1	50.8	2	1.7	0	0.0	0	0.0	0.0
7	July	128	150	0	0	0	128 150	106	55.2	115	1.8	0	0.0	0	0.0	0.0
8	Aug	51	60	0	0	0	51 60	48	55.5	43	1.8	0	0.0	0	0.0	0.0
9	Sept	15	18	0	0	0	15 18	15	55.6	15	1.7	0	0.0	0	0.0	0.0
River total:		196	230	0	0	0	196 230	170	55.3	175	1.8	0	0.0	0	0.0	0.0

Salmon: Halifax Co. River code: 101 Season dates: 1/ 6/88 to 29/ 8/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June																
7	July	5	6	0	0	0	5	6	2	55.9	5	1.8	0	0.0	0	0.0	0.0
8	Aug	2	2	0	0	0	2	2	2	51.4	2	1.7	0	0.0	0	0.0	0.0
River total:		7	8	0	0	0	7	8	4	53.7	7	1.7	0	0.0	0	0.0	0.0

Ship Hbr.L.Charlotte River code: 103 Season dates: 1/ 6/88 to 29/ 8/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June	14	16	0	0	0	14	16	14	56.2	14	1.9	0	0.0	0	0.0	0.0
7	July	25	29	0	0	0	25	29	13	54.2	25	1.7	0	0.0	0	0.0	0.0
8	Aug	5	6	0	0	0	5	6	5	57.7	5	1.9	0	0.0	0	0.0	0.0
River total:		44	52	0	0	0	44	52	32	55.6	44	1.8	0	0.0	0	0.0	0.0

Shubenacadie River code: 104 Season dates: 15/ 8/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
8	Aug																
9	Sept	4	5	0	0	0	4	5	4	53.3	4	1.7	0	0.0	0	0.0	0.0
10	Oct	23	27	0	0	0	23	27	21	58.3	16	1.8	0	0.0	0	0.0	0.0
River total:		27	32	0	0	0	27	32	25	57.5	20	1.8	0	0.0	0	0.0	0.0

South River code: 106 Season dates: 1/ 9/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
9	Sept	1	1	0	0	0	1	1	1	58.4	0	0.0	0	0.0	0	0.0	0.0
10	Oct																
River total:		1	1	0	0	0	1	1	1	58.4	0	0.0	0	0.0	0	0.0	0.0

Stewiacke River code: 107 Season dates: 1/ 8/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
8	Aug	9	11	0	0	0	9	11	9	56.0	9	1.8	0	0.0	0	0.0	0.0
9	Sept	42	49	0	0	0	42	49	36	56.0	36	1.7	0	0.0	0	0.0	0.0
10	Oct	130	152	0	0	0	130	152	112	56.4	123	1.7	0	0.0	0	0.0	0.0
River total:		181	212	0	0	0	181	212	157	56.3	168	1.7	0	0.0	0	0.0	0.0

Tusket River code: 112 Season dates: 1/ 6/88 to 15/ 8/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June	110	129	0	0	0	110	129	101	57.6	97	1.8	0	0.0	0	0.0	0.0
7	July	30	35	0	0	0	30	35	29	58.0	27	1.8	0	0.0	0	0.0	0.0
8	Aug	2	2	0	0	0	2	2	1	49.5	2	2.0	0	0.0	0	0.0	0.0
River total:		142	167	0	0	0	142	167	131	57.7	126	1.8	0	0.0	0	0.0	0.0

Wallace River code: 113 Season dates: 1/ 9/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
9	Sept																
10	Oct	11	13	0	0	0	11	13	9	57.4	8	1.8	0	0.0	0	0.0	0.0
River total:		11	13	0	0	0	11	13	9	57.4	8	1.8	0	0.0	0	0.0	0.0

Waugh River code: 114 Season dates: 1/ 9/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
9	Sept																
10	Oct	4	5	0	0	0	4	5	4	59.1	4	1.8	0	0.0	0	0.0	0.0
River total:		4	5	0	0	0	4	5	4	59.1	4	1.8	0	0.0	0	0.0	0.0

West Sheet Harbour River code: 117 Season dates: 1/ 6/88 to 29/ 8/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
6	June	27	32	0	0	0	27	32	19	54.6	26	1.7	0	0.0	0	0.0	0.0
7	July	41	48	0	0	0	41	48	31	54.6	40	1.7	0	0.0	0	0.0	0.0
8	Aug	12	14	0	0	0	12	14	7	53.6	12	1.6	0	0.0	0	0.0	0.0
River total:		80	94	0	0	0	80	94	57	54.4	78	1.7	0	0.0	0	0.0	0.0

West: Antigonish Co. River code: 115 Season dates: 1/ 9/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
9	Sept	5	6	0	0	0	5	6	5	57.1	5	2.0	0	0.0	0	0.0	0.0
10	Oct	25	29	0	0	0	25	29	22	57.4	25	1.7	0	0.0	0	0.0	0.0
River total:		30	35	0	0	0	30	35	27	57.4	30	1.8	0	0.0	0	0.0	0.0

West: Pictou Co. River code: 116 Season dates: 1/ 9/88 to 31/10/88.

Month		Number of fish							Grilse				Salmon				Percent large salmon
		Grilse		Salmon		Unknown	Total		Length		Weight		Length		Weight		
No.	Name	Obs.	Est.	Obs.	Est.	Obs.	Obs.	Est.	No.	Mean	No.	Mean	No.	Mean	No.	Mean	
9	Sept	3	4	0	0	0	3	4	3	57.6	2	1.5	0	0.0	0	0.0	0.0
10	Oct	17	20	0	0	0	17	20	16	58.0	7	1.9	0	0.0	0	0.0	0.0
River total:		20	23	0	0	0	20	23	19	58.0	9	1.8	0	0.0	0	0.0	0.0

Table 28. Estimated number of salmon and grilse angled on the Cheticamp River, 1988.

Month	Salmon released	Grilse retained	Rod-days
May	1		2
June	39	5	196
July	51	10	254
August	9	2	73
September	2		3
Total	102	17	528

TABLE 29. Nova Scotia variation orders, fishing prohibitions and special seasons, 1988.

Barney's River		Closed to fishing in those waters upstream from a point 500 m downstream of the number 245 highway bridge crossing the river from March 2 to April 14, 1988.
Chiganois River		Closed to fishing in those waters downstream from the Canadian National Railway Bridge in Belmont to the number 2 Highway from April 15 to May 10, 1988.
Clyde River		Salmon season varied to be May 10 to October 15, 1988.
Debert River		Closed to fishing in those waters downstream from the Canadian National Railway bridge to its confluence with the Cobequid Bay from April 15 to May 10, 1988.
East River, Sheet Harbour		Closed to fishing in those waters upstream from a point as marked by a fishery officer, 200 metres below the Nova Scotia Power Corporation power house from June 24 to September 30, 1988.
East River (Pictou County)		Closed to fishing in those waters upstream from the George Street bridge in New Glasgow to the number 583 highway bridge in Springville from March 2 to May 15, 1988.
Economy River		Closed to fishing in those waters downstream from the mouth of Callaghan Brook to the number 2 highway bridge from April 15 to May 10, 1988.
Folly River		Closed to fishing in those waters downstream from the Canadian National Railway bridge to its confluence with the Debert River from April 15 to May 10, 1988.
French River		Closed to fishing in those waters upstream from a point 500 m downstream of the number 245 highway bridge crossing the river from March 2 to April 14, 1988.
Gold River	(1)	Closed to fishing in those waters from the junction with the Larder River downstream to a point marked by a fishery officer approximately 90 m upstream from the number 3 highway bridge crossing that river in the community of Gold River from April 1 to May 31, 1988.
	(2)	Closed to fishing in that portion of the river as marked by a fishery officer and known locally as the "Dipping Pool", located between the "Cable Pool" and the "Kill Devil Pool" from June 1 to August 15, 1988.
Grand River		Closed to fishing in those waters between those points as marked by a fishery officer approximately 90 m upstream and 90 m downstream from Grand River Falls from July 2 to October 15, 1988.
Great Village River		Closed to fishing in those waters downstream from the mouth of Spencer's Brook to the marshland dyke aboiteau from April 15 to May 10, 1988.
Ingonish River		Closed to fishing in all waters from April 15 to May 15, 1988.
Inhabitants River		Salmon season varied to be June 15 to October 31, 1988.
Kirby River		Closed to fishing in those waters 15 m downstream and 15 m upstream from the number 24 highway bridge at Sheet Harbour Passage from June 1 to September 30, 1988.
LaHave River	(1)	Closed to fishing in those waters of the Main Branch downstream from a point at the south end of Wentzell's Lake as marked by a fishery officer, to a point 825 m downstream from the Canadian National Railway bridge from April 1 to May 31, 1988.
	(2)	Opened to fishing in those waters upstream from Morgan Falls lying between Feindel's Bridge on the Lower Branch Road (highway number 538) in New Germany and the Cherryfield Bridge (highway number 532) at Cherryfield from June 15 to July 15, 1988.
Maccan River		Closed to fishing in those waters downstream from the number 2 highway Bridge at Southampton to the highway bridge at Maccan from April 15 to May 10, 1988.

Margaree		Closed to fishing in those waters of the Northeast Branch upstream from the Big Intervale bridge, but not including any tributaries of that branch, from February 29 to December 31, 1988.
Mersey		Salmon season varied to re-open in those waters between the Canadian National Railway bridge in Liverpool and a point as marked by a fishery officer approximately 91 m upstream from the Potanoc bridge in Milton from September 19 to October 15, 1988.
Musquodoboit River		Salmon season varied to re-open for the period from September 12 to September 26, 1988.
North Aspy		Salmon season varied to be June 15 to October 22, 1988.
North (Colchester)		Closed to fishing in those waters downstream from the mouth of the West Branch North River to its confluence with the Salmon River from April 15 to May 10, 1988.
North (Victoria)	(1)	Closed to fishing in those waters upstream from the North River bridge form April 15 to May 31, 1988.
	(2)	Closed to fishing from June 3 to December 31, 1988 (a) in those waters of the Pot Hole, so called, lying immediately below Little Falls and downstream for a distance of approximately 7.6 m to a point as marked by a fishery officer. (b) in those waters of the Pot Hole, so called, lying immediately below Twin Falls and downstream for a distance of approximately 9.1 m to a point as marked by a fishery officer. (c) in those waters lying immediately below Big Falls and downstream for a distance of approximately 22.8 m to a point as marked by a fishery officer.
Petite Rivière	(1)	Closed to fishing in those waters downstream from Hebb Lake, but not including Fancy Lake, to the number 331 highway bridge crossing that river in the community of Petite Rivière from April 1 to May 31, 1988.
	(2)	Closed to fishing in those waters of Wallace Brook from the junction with the Petite Rivière in the community of Crousetown upstream approximately 180 m to a point marked by a fishery officer from April 1 to September 30, 1988.
Portapique River		Closed to fishing in those waters downstream from the mouth of Matheson Brook to the number 2 highway bridge from April 15 to May 10, 1988.
Pugwash River		Closed to fishing in those waters upstream of the Conn's Mills bridge from March 2 to April 14, 1988.
River Hebert		Closed to fishing in those waters from the bridge near the tree nursery in the Chignecto Game Sanctuary to the number 242 highway bridge at the village of River Hébert from April 15 to May 10, 1988.
Salmon River (Colchester)		Closed to fishing in those waters downstream from the mouth of Greenfield Brook to the number 102 highway bridge from April 15 to May 10, 1988.
Stewiacke River		Closed to fishing in those waters upstream of the railway bridge in Stewiacke to the Middle Stewiacke bridge in Middle Stewiacke from April 15 to May 15, 1988.
Tusket River		Closed to fishing in those waters from the highway bridge at the southern extremity of Lake Vaughn downstream to the Tusket River hydro station from April 1 to June 30, 1988.
West River, Sheet Harbour		Closed to fishing in those waters upstream from the Killeg Road bridge to its source, and including all tributaries, from June 24 to September 30, 1988.

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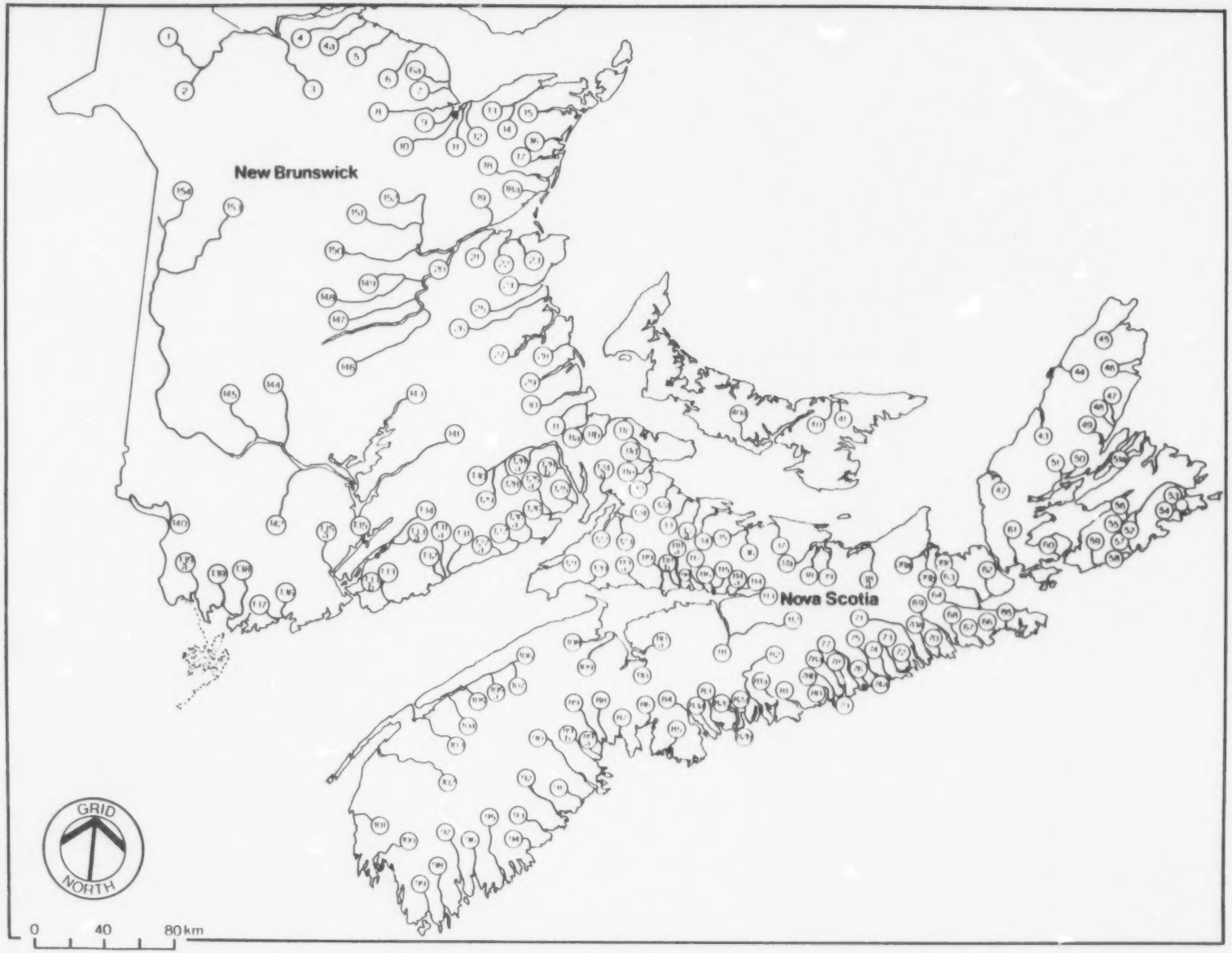

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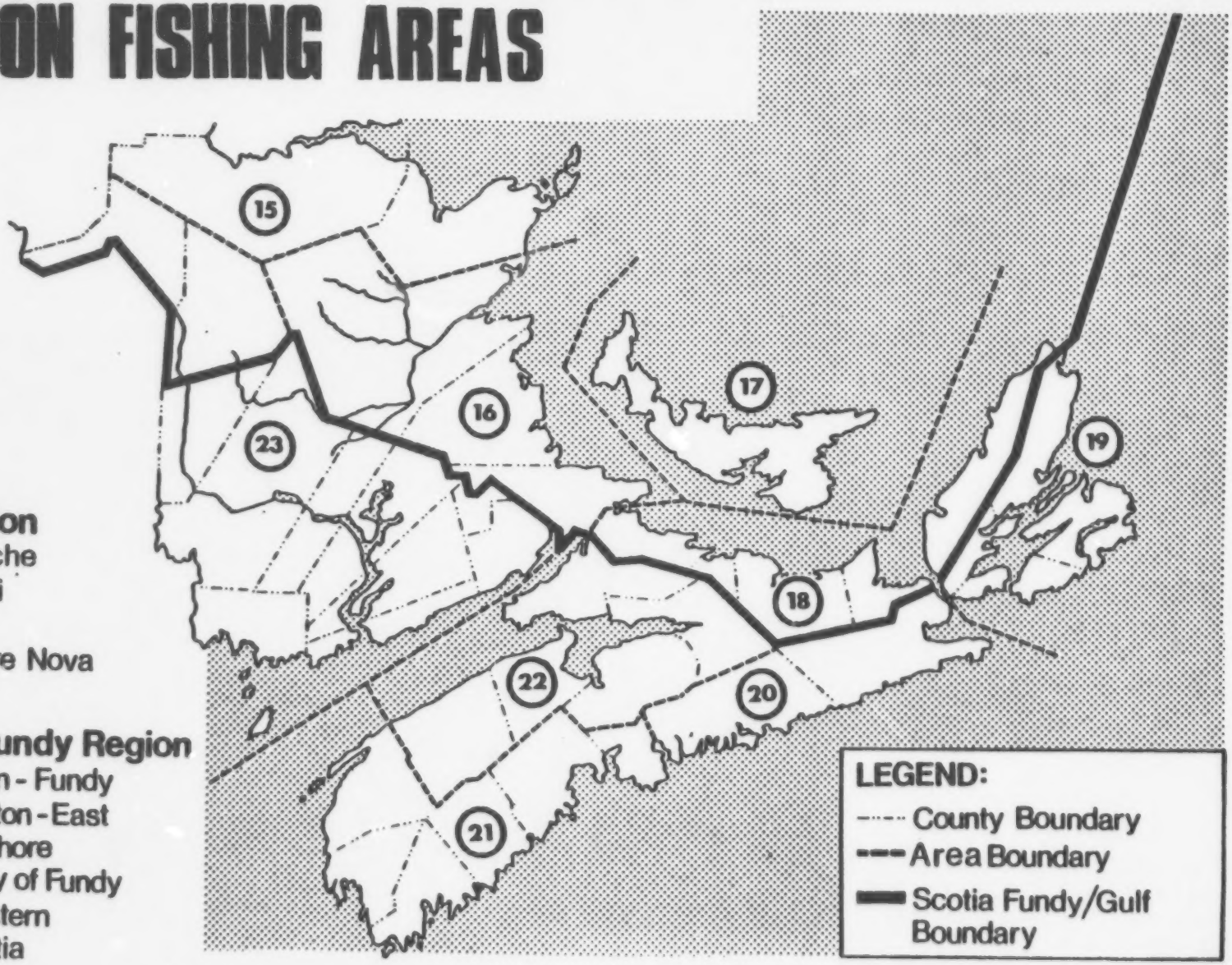
SALMON FISHING AREAS



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16. Miramichi
17. P.E.I.
18. Gulf Shore Nova Scotia

Scotia-Fundy Region

23. Saint John - Fundy
19. Cape Breton - East
20. Eastern Shore
22. Upper Bay of Fundy
21. Southwestern Nova Scotia

SALMON RIVERS BY FISHING AREA

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Gulf Region		
15	Restigouche	Kedgwick, Restigouche, Patapedia, Upsalquitch, Charlo, Eel, Benjamin, Jacquet, Nigadoo, Millstream, Tetagouche, Middle (Gloucester Co.), Little, Nepisiguit, Bass, Caraquet, South Caraquet, Pokemouche, Little Tracadie, Tracadie.
16	Miramichi	Tabusintac, Burnt Church, Bartibog, Southwest Miramichi, Napan (Northumberland Co.), Black (Northumberland Co.), Bay du Vin, Black (Kent Co.), Kouchibouguac, Kouchibouguacis, Shediac, Richibucto, Chockpish, Buctouche, Cocagne, Scoudouc, Aboushagan, Timber, Gaspereau (Westmorland Co.), Baie Verte, Cains, Bartholomew, Dungarvon, Renous, Little Southwest Miramichi, Sevogle, Northwest Miramichi.
17	Prince Edward Island	Morell, West (Queens Co.), Midgell.
18	Gulf Shore Nova Scotia	Shinimikas, Tidnish, River Philip, Wallace, Pugwash, French, Waugh, River John, West (Pictou Co.), Middle (Pictou Co.), Barney's, East (Pictou Co.), West (Antigonish Co.), South (Antigonish Co.), Pomquet, Mabou, Margaree, Cheticamp.
Scotia-Fundy Region		
23	Saint John - Fundy	Tantramar, Demoiselle Creek, Crooked Creek, Shepody, West (Albert Co.), Alma, Point Wolfe, Coverdale, Turtle Creek, Weldon Creek, Pollett, Petitcodiac, Big Salmon, Irish, Mosher (Saint John Co.), Black (Saint John Co.), Hammond, Little (Saint John Co.), Kennebecasis, Saint John, Nerepis, New, Pocologan, Magaguadavic, Digdeguash, Waweig, St. Croix, Canaan, Oromocto, Salmon (Queens Co.), Nashwaak, Keswick, Tobique, Salmon (Victoria Co.).
19	Cape Breton East	North Aspy, Ingonish, Indian Brook, Barachois, North (Victoria Co.), Baddeck, Aconi Brook, Middle (Victoria Co.), Mira, Lorraine Brook, Catalone, Gerratt Brook, Salmon (Cape Breton Co.), Gaspereau (Cape Breton Co.), Framboise, Marie Joseph, Grand, River Tillard, Inhabitants.
20	Eastern Shore Nova Scotia	Clam Harbour, Guysborough, Salmon (Guysborough Co.), Cole Harbour, Larry's, New Harbour, Isaac's Harbour, Country Harbour, Gegogan Brook, Indian, St. Mary's, Gaspereau Brook, Liscomb, Necum Teuch, Ecum Secum, Moser (Halifax Co.), Quoddy, Salmon (Port Dufferin), West (Sheet Harbour), Taylor Bay Brook, East (Sheet Harbour), Kirby, Tangier, Ship Harbour, Salmon (Halifax Co.), Musquodoboit, Chezzetcook, Three Fathom Harbour Brook, Rocky Run, Lawrencetown Lake (Salmon River), Little Salmon (Lake Major).
22	Upper Bay of Fundy	Bear, Lequille, Paradise, Round Hill, Annapolis, Nictaux, Cornwallis, Gaspereau (Kings Co.), St. Croix (Hants Co.), Kennetcook, Shubenacadie, Stewiacke, Salmon (Colchester Co.), North (Colchester Co.), Chiganois, Debert, Folly, Great Village, Portapique, Bass (Colchester Co.), Little Bass, Economy, Harrington, Diligent, Apple, River Hebert, Maccan, Nappan (Cumberland Co.).
21	Southwest Nova Scotia	Nine Mile, Ingram, East (Lunenburg Co.), Middle (Lunenburg Co.), Gold, Martins Brook, Mushamush, LaHave, Petite Rivière, Medway, Mersey, Broad, Sable, Jordan, Roseway, Clyde, Barrington, Tusket, Salmon (Digby Co.), Sissiboo, Sackville.

APPENDIX 2

CALCULATION OF CATCH AND EFFORT ESTIMATES

Nova Scotia salmon anglers are required to complete and return catch and effort cards which are attached to their licenses. Some cards are returned without prompting. In 1988, a single reminder letter was mailed to those who had not returned cards.

The overall response from the 8,027 licensed anglers was 76%. One hundred and eighty-three cards were not useable (illegible or incomplete) which left 5,899 completed cards (73.5%) for analysis and estimation of catch and effort.

Ratio technique

Extrapolating catch and effort data to estimate totals was accomplished using a ratio technique which was adjusted for response bias. Essentially, the ratio is the catch and effort per angler adjusted upwards to reflect catch and effort for the total number of licensees. A correction factor is used to eliminate from the population that proportion of anglers in the sample who reported that they did not fish.

An adjustment for bias is necessary because of the nature of the survey. Participants in an activity, when asked to voluntarily supply information related to that activity, typically respond at rates reflective of their level of interest. In other words, the more active or interested anglers are more likely to respond than are the casual fishermen. As a result, the data received does not represent the average angler but the more successful or more active angler. This phenomenon is commonly known as response bias. Extrapolation from the "biased" data to account for the catch of non-respondents would result in an overestimate of catch and effort. Hence the need for a bias adjustment factor.

CALCULATION OF A BIAS ADJUSTMENT FACTOR

During the years 1983-87, as many as three reminder letters were sent to non-respondents. The resulting response, which exceeded 90% in all years, was extrapolated to 100% using a regression technique described in O'Neil et.al. (1989).

During 1983-87 responses were placed in one of four categories depending on when they were received: before prompting - voluntary (VOL); after the first reminder letter - post prompt 1 (PP1); after the second reminder letter - post prompt 2 (PP2); and after the third reminder letter - post prompt 3 (PP3). Estimates of catch and effort extrapolated from the combined data from the four response categories had to account for less than 10% non-response. These estimates are referred to below as "complete" estimates. In 1988, since only a single reminder letter was used, data were confined to the VOL and PP1 categories.

A bias adjustment factor was arrived at as follows:

Step (1) data from each of the previous five years (1983-87) was separated to produce VOL and PP1 categories.

Step (2) The resulting VOL + PP1 data was extrapolated to account for supposed non-response using the ratio technique described above.

Step (3) The resulting biased catch and effort estimates calculated in step two, for all five years, were compared with the "complete" estimates to calculate a weighted mean adjustment ratio of "complete" to "biased" estimates. This ratio was applied to the biased 1988 data to adjust for response bias.

As a means of testing the validity of applying a five-year weighted mean bias adjustment factor, regressions describing the relationship between response rate and angler effort were compared for the 1983-87 period. An analysis of covariance indicated that the slopes and intercepts were similar ($p>0.05$). Therefore it could be concluded that angler behaviour with respect to response, i.e., response bias, was similar in five separate years. Accordingly, application of that trend to "adjust" the 1988 and subsequent year biased estimates provide more realistic estimates of catch and effort.

APPENDIX 3

GLOSSARY

angle (angled)	- to fish (fished) with rod and line using an artificial fly.
bright fish	- a mature, adult Atlantic salmon that has entered fresh water prior to spawning.
catch per unit effort	- the number of large salmon or grilse caught, either retained or released, per rod-day.
CPUE	- abbreviation for catch per unit effort.
estimated catch	- catch reported by anglers plus an estimate of catch by anglers who have not reported. A description of the estimation technique is provided in Appendix 2.
estimated effort	- effort reported by anglers plus an estimate of effort by anglers who have not reported. A description of the estimation technique is provided in Appendix 2.
fecundity	- number of eggs per unit body weight (relative fecundity).
grilse	- an adult Atlantic salmon which matures after one winter at sea.
harvest	- fish removed from the population. Harvest, retained catch and kill are synonymous. Harvest does not include released fish.
kelt	- an adult Atlantic salmon that has spawned and has not yet left fresh water after spawning prior to its return to the ocean.
large salmon	- an adult Atlantic salmon that has matured after two or more winters in the ocean.
license stub	- a post card attached to the Atlantic salmon license which provides for reporting catch and effort data.
multi-sea-winter salmon	- a maturing adult Atlantic salmon that has spent more than one winter at sea.
observed catch	- the sum of the catch from license stubs of anglers who reported.
observed effort	- the sum of effort from license stubs of anglers who reported.
one-sea-winter salmon	- an adult Atlantic salmon which matured after one winter at sea; synonymous with grilse.
rod-day	- any part of a day spent fishing on a river is considered a rod-day. An angler may fish a "rod-day" on more than one river in one day. For example, if an angler fishes two rivers in one day, they have fished two rod-days, one rod-day on each river.
released fish	- a fish which is not killed upon being caught but is released alive into the river. The release may be by breaking or cutting the line or by removing the hook from a landed fish.
retained fish	- an Atlantic salmon which is killed upon being angled.
spawn (verb)	- the act of reproduction in fish.
stock	- a genetically unique strain of Atlantic salmon which homes to a single river is typically thought of as an Atlantic salmon stock.
word-of-mouth	- a method of gathering catch and effort data which is based on some observation, some personal accounts of catch or effort and much heresay and guesswork to account for that which was not observed.